

Arlington High School Building Committee
Finance Subcommittee Meeting
Tuesday, September 19, 2023
Conducted by Remote Participation
4:00 PM – 4:30 PM
Agenda

- ◆ Budget Update
- ◆ Change Logs
- ◆ Change Order #31 Review/Approval
- ◆ Consigli Pay App #41 Review/Approval
- ◆ Meeting Minutes Approval Review/Approval
- ◆ New Business

Topic: AHS Building Finance Subcommittee

Join Zoom Meeting

<https://town-arlington-ma-us.zoom.us/j/88630744023>

Meeting ID: 886 3074 4023

Passcode: 634133

One tap mobile

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Dial by your location

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+1 346 248 7799 US (Houston)

+1 386 347 5053 US

+1 408 638 0968 US (San Jose)

+1 564 217 2000 US

+1 669 444 9171 US

+1 669 900 6833 US (San Jose)

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Meeting ID: 886 3074 4023

**9/19/2023 AHSBC Finance Subcommittee Meeting
Meeting Materials**

Table of Contents –

- Agenda – page 1
- TOC/Draft Vote Language – page 2
- Budget Update
 - Budget Dashboard – page 3
 - Report by Cost Code – page 4
 - Owner’s Contingency Log – page 6
- Change Logs
 - Summary Log – page 7
 - Change Log – page 8
 - Contingency Log – page 9
 - Hold Log – page 10
 - Allowance Log – page 18
- Consigli Change Order #31 – page 28
- Consigli Req #41 (summary pages) – page 163
 - Consigli Retainage Release – page 165
- Finance Subcommittee Meeting Minutes 8/15/2023 – page 167

Draft Vote Language –

1. Motion to approve Consigli AHS Requisition #41 for \$5,599,400.04.
2. Motion to approve Consigli Change Order #31 for \$45,788.67
3. Motion to approve 8/15/2023 Finance Subcommittee Meeting Minutes.

Contingencies

Owner's Contingency		
\$ Original	\$ Remaining Current	\$ Remaining Anticipated
\$1,796,546	\$142,066	\$142,066 ➔
Construction Contingency		
\$ Original	\$ Remaining Current	\$ Remaining Anticipated
\$7,578,280	\$5,263,968	\$5,263,968 ➔
TBD		
\$ Original	\$ Remaining Current	\$ Remaining Anticipated
\$0	\$0	\$0 ➔
TBD		
\$ Original	\$ Remaining Current	\$ Remaining Anticipated
\$0	\$0	\$0 ➔

Total Budget:

\$290,354,879

Cost of work + Contingency

Total Committed:

\$283,321,536

Contracts / PO's executed

%

98%

Total Spent

\$206,500,163

Amount Invoiced

%

73%

Cost at Completion:

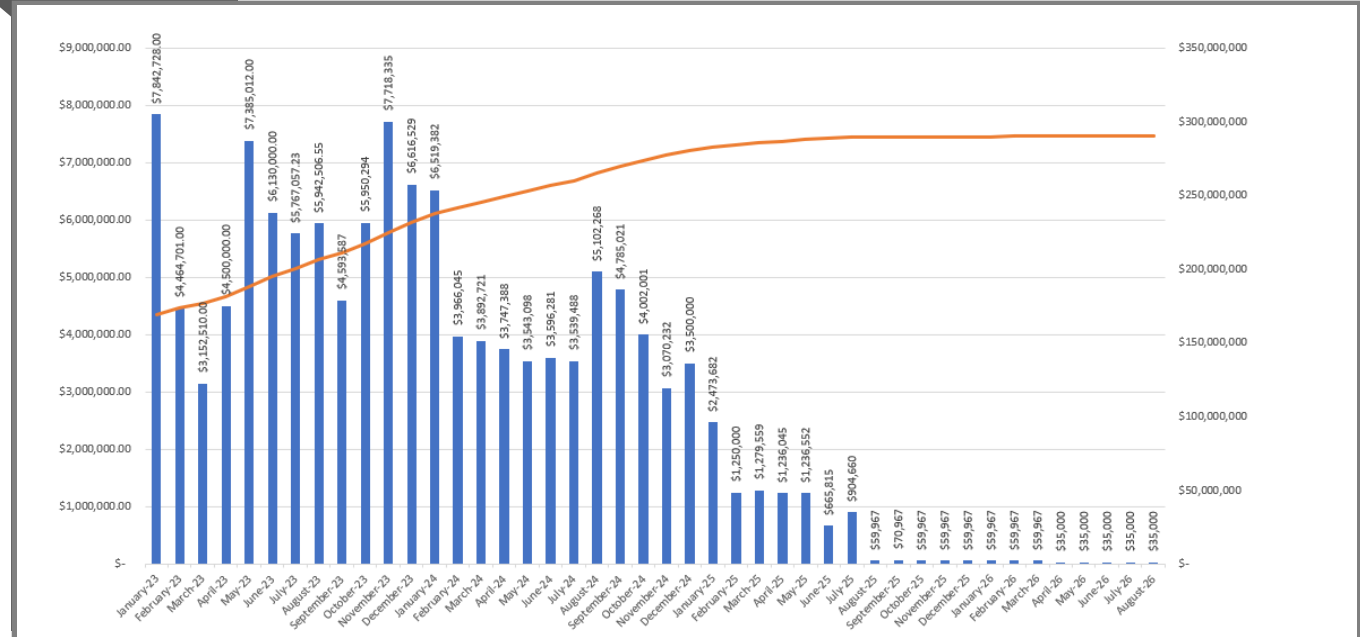
\$283,321,536

Committed + Submitted Changes

%

98%

Cash Flow



Current Pay Period

Pay App No.: 10

Pay App Amount: \$5,942,506.55

Pro Pay

Amount Submitted: \$168,646,474

Amount Reimbursed: \$66,348,491

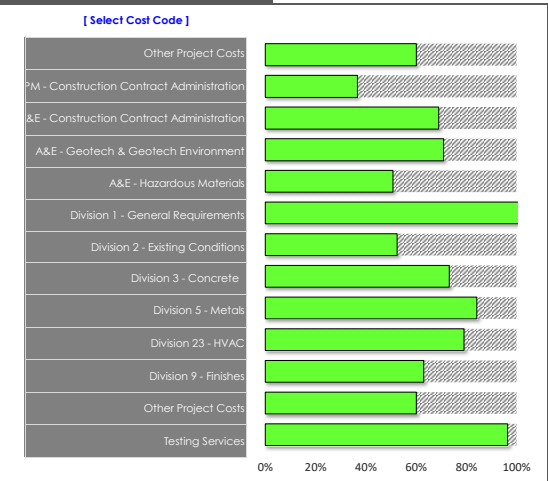
Change Events

Change as % of Orig. Budget:	Amount
Approved Changes:	\$3,968,790
Submitted Changes:	\$0
Pending Changes:	\$0
Rejected Changes:	\$0
Approved Budget Transfers:	\$1,007,245

Key Contracts

Firm: Skanska USA Building	
Original Contract Amount:	\$7,827,480
Contract Changes to Date:	\$183,120
Total Amount:	\$8,010,600
Invoiced to Date:	\$4,385,279
Contract Amount Remaining:	\$3,625,321
	55%
Firm: STV-DPM	
Original Contract Amount:	\$260,494
Contract Changes to Date:	\$0
Total Amount:	\$260,494
Invoiced to Date:	\$177,433
Contract Amount Remaining:	\$83,061
	68%
Firm: HMFH Architects, Inc.	
Original Contract Amount:	\$25,165,537
Contract Changes to Date:	\$6,852
Total Amount:	\$25,172,389
Invoiced to Date:	\$21,508,039
Contract Amount Remaining:	\$3,664,350
	85%
Firm: Consigli Construction Company	
Original Contract Amount:	\$234,592,855
Contract Changes to Date:	\$2,209,600
Total Amount:	\$236,802,455
Invoiced to Date:	\$172,025,991
Contract Amount Remaining:	\$64,776,464
	73%

Budget vs. Actual



Report By Cost Code - Summary

	TOTAL:	\$284,948,844	\$283,321,536	\$1,627,309	\$206,474,363	\$76,847,172
Cost Code Description	Cost Code	Approved Budget Amount	Committed Amount	Budget Remaining	Invoice to Date	Remaining Invoice Amount
OPM - Feasibility Study	0001-0000	\$442,880	\$442,880	\$0	\$439,550	\$3,330
A&E - Feasibility Study	0002-0000	\$1,285,582	\$1,285,582	\$0	\$1,285,582	\$0
Environmental & Site	0003-0000	\$261,690	\$261,690	\$0	\$263,588	(\$1,898)
Other	0004-0000	\$6,098	\$2,138	\$3,960	\$2,138	\$0
Legal Fees	0101-0000	\$82,708	\$0	\$82,708	\$0	\$0
OPM - Design Development	0102-0400	\$738,194	\$738,194	\$0	\$358,853	\$379,341
OPM - Construction Contract Documents	0102-0500	\$1,564,643	\$1,564,643	\$0	\$1,564,643	\$0
OPM - Bidding	0102-0600	\$360,097	\$360,097	\$0	\$360,097	\$0
OPM - Construction Contract Administration	0102-0700	\$4,538,462	\$4,538,462	\$0	\$1,662,136	\$2,876,326
OPM - Closeout	0102-0800	\$366,324	\$366,324	\$0	\$0	\$366,324
Owner's Insurance	0105-0000	\$735,190	\$735,190	\$0	\$735,143	\$47
A&E - Design Development	0201-0400	\$4,224,185	\$4,224,185	\$0	\$4,224,185	\$0
A&E - Construction Contract Documents	0201-0500	\$6,906,450	\$6,903,817	\$2,633	\$6,914,947	(\$11,130)
A&E - Bidding	0201-0600	\$422,419	\$422,419	\$0	\$422,419	\$0
A&E - Construction Contract Administration	0201-0700	\$9,652,035	\$9,384,345	\$267,690	\$6,661,873	\$2,722,472
A&E - Closeout	0201-0800	\$372,521	\$372,521	\$0	\$0	\$372,521
A&E - Other Basic Services	0201-9900	\$39,781	\$20,739	\$19,042	\$29,357	(\$8,618)
A&E - Printing (Over Minimum)	0203-0200	\$10,000	\$182	\$9,819	\$182	\$0
A&E - Other Reimbursable Costs	0203-9900	\$30,896	\$12,972	\$17,924	\$12,841	\$131
A&E - Hazardous Materials	0204-0200	\$476,227	\$379,324	\$96,903	\$242,055	\$137,269

Report By Cost Code - Summary

	TOTAL:	\$284,948,844	\$283,321,536	\$1,627,309	\$206,474,363	\$76,847,172
Cost Code Description	Cost Code	Approved Budget Amount	Committed Amount	Budget Remaining	Invoice to Date	Remaining Invoice Amount
A&E - Geotech & Geotech Environment	0204-0300	\$1,668,720	\$1,634,509	\$34,211	\$1,183,755	\$450,754
A&E - Site Survey	0204-0400	\$186,395	\$174,295	\$12,100	\$179,429	(\$5,134)
A&E - Wetlands	0204-0500	\$1,090	\$0	\$1,090	\$0	\$0
A&E - Traffic Studies	0204-1200	\$95,810	\$95,810	\$0	\$87,827	\$7,983
Pre-Construction Services	0501-0000	\$305,508	\$305,508	\$0	\$305,508	\$0
Change Orders	0508-0000	\$2,314,312	\$2,209,600	\$104,711	\$1,339,861	\$869,739
Utility Company Fees	0601-0000	\$654,498	\$641,665	\$12,833	\$943,339	(\$301,674)
Testing Services	0602-0000	\$825,000	\$923,236	(\$98,236)	\$795,084	\$128,152
Swing-Space/Modulars	0603-0000	\$2,580,810	\$2,576,882	\$3,928	\$2,576,882	\$0
Other Project Costs	0699-0000	\$1,131,930	\$1,127,254	\$4,676	\$680,516	\$446,738
Furnishings	0701-0000	\$4,336,500	\$4,193,532	\$142,968	\$1,575,324	\$2,618,208
Equipment	0702-0000	\$4,044,543	\$3,136,194	\$908,349	\$1,827,010	\$1,309,183

Owner's Contingency Summary

8/8/2023

BRR No.	Company	Funds From Cost Code	Amount	Funds to Cost Code	Transfer Description
BRR#4	Cabot Risk Strategies, LLC	Owner's Contingency	\$37,379.00	Owner's Insurance	Parmenter Insurance Overage - General Liability & Builders Risk
BRR#4	HMFH/McPhail Associated	Owner's Contingency	\$39,158.70	A&E - Geotech & Geotech Environment	Additional Services - McPhail Geotech & Geoenvironmental
BRR#4	HMFH/Samtiotes Consultants, Inc.	Owner's Contingency	\$2,475.00	A&E - Site Survey	Additional Services - Site Survey related to Arlington DPW Project
BRR#4	HMFH/Samtiotes Consultants, Inc.	Owner's Contingency	\$12,485.00	A&E - Construction Contract Administration	Additional Services - CA related to Arlington DPW Project
BRR#4	HMFH/Samtiotes Consultants, Inc.	Owner's Contingency	\$8,690.00	A&E - Site Survey	Additional Services - Eversource Design Changes
BRR#5	HMFH/BALA Consulting Engineers, Inc.	Owner's Contingency	\$21,593.00	A&E - Construction Contract Documents	Additional Services - Eversource & Ameresco Design Changes
BRR#5	Town of Arlington - Custodial	Owner's Contingency	\$50,000.00	Other Project Costs	AHS Custodial Overtime
BRR#5	Construction Risk Partners	Owner's Contingency	\$7,185.00	Owner's Insurance	Builders Risk - Contents Coverage
BRR#5	HMFH/BALA Consulting Engineers, Inc.	Owner's Contingency	\$2,750.00	A&E - Construction Contract Documents	Additional Services - BALA Library Changes
BRR#6	TBD	Owner's Contingency	\$100,000.00	Other Project Costs	Upcoming Phased Moving Costs
BRR#6	Mosesian Center for the Arts	Owner's Contingency	\$17,150.00	Other Project Costs	Spring Musical Venue Rental
BRR#6	CCS	Owner's Contingency	\$4,731.00	Equipment	Phase 1 Change Order #1 - Additional Diab Equipment
BRR#6	TBD	Owner's Contingency	\$75,000.00	Other Project Costs	Upcoming Phased Moving Costs
BRR#6	TBD	Owner's Contingency	\$200,000.00	Furniture	Upcoming FF&E
BRR#6	HMFH/BALA Consulting Engineers, Inc.	Owner's Contingency	\$37,400.00	A&E - Construction Contract Administration	McPhail Increased Scope Task 17 - CA Vibration Monitoring Services
BRR#6	HMFH/BALA Consulting Engineers, Inc.	Owner's Contingency	\$10,150.00	A&E - Construction Contract Documents	BALA Addt. Services #8 - Change Phase 2 Urinals to Toilets
BRR#6	Ameresco	Owner's Contingency	\$404,498.00	Utility Company Fees	Photovoltaic Relocation Fee
BRR#6	TBD	Owner's Contingency	\$100,000.00	Furniture	Upcoming FF&E - Additional Contingency
BRR#6	CCS	Owner's Contingency	\$3,312.00	Equipment	Phase 1 Change Order #2 - Wall Box Cut-Ins / 75" IFPs Height Change
BRR#7	HMFH/BALA Consulting Engineers, Inc.	Owner's Contingency	\$3,988.00	A&E - Construction Contract Documents	Additional Services - BALA Electrical Design for VRF and Heat Recovery/Condensing Units
BRR#7	HMFH Architects, Inc.	Owner's Contingency	\$215,000.00	A&E - Construction Contract Administration	Phases 3 and 4 Extension
BRR#7	Skanska	Owner's Contingency	\$183,120.00	OPM - Construction Contract Administration	Phases and 3 & 4 Extension
BRR#7	HMFH/BALA Consulting Engineers, Inc.	Owner's Contingency	\$4,480.00	A&E - Construction Contract Documents	Additional Services - BALA MEP Design for New Office on District Floor Building C
BRR#7	HMFH/CSS	Owner's Contingency	\$23,320.00	A&E - Construction Contract Administration	Additional Services - CSS Additional Site Review Construction Administration
BRR#7	Briggs	Owner's Contingency	\$75,000.00	Testing Services	Additional Construction Material Testing
BRR#7	HMFH/BALA Consulting Engineers, Inc.	Owner's Contingency	\$6,250.00	A&E - Construction Contract Documents	Additional Services - BALA Design for Dividing LABBB Space
BRR#7	Liberty Mutual	Owner's Contingency	\$9,365.00	Owner's Insurance	2023-2024 Property Floater Insurance
Total Owner's Contingency Spent			\$1,654,479.70		
Owner's Contingency Budget			\$1,796,546.00		
Remaining			\$142,066.30		

Other Budget Transfers

BRR No.	Company	Funds From Cost Code	Amount	Funds to Cost Code	Transfer Description
BRR #1	HMFH Architects, Inc.	Environmental & Site	\$49,100.00	A&E - Feasibility Study	Additional Services - Revisions to Sports Fields & New Toilet Facility
BRR #1	HMFH/Universal Environmental Consultants	A&E - Feasibility Study	\$210,020.00	Environmental & Site	Environmental & Site Subconsultant Procurement Overage
BRR #2	Skanska USA Building	OPM - Feasibility Study	\$7,120.00	Other	OPM Contract Savings Transfer
BRR #2	FSA BRR #2	Other	\$50,000.00	Environmental & Site	Environmental & Site Subconsultant Procurement Overage
BRR #2	FSA BRR #2	A&E - Feasibility Study	\$770.00	Environmental & Site	Environmental & Site Subconsultant Procurement Overage
BRR #2	FSA BRR #2	A&E - Feasibility Study	\$2,728.00	Other	A&E Feasibility Contract Savings Transfer
BRR #3	Consigli Construction Company	Pre-Construction Services	\$194,492.20	Swing-Space/Modulars	Parmenter Construction Overage
BRR #3	HMFH Architects, Inc.	A&E - Printing (Over Minimum)	\$40,000.00	A&E - Other Basic Services	Additional Services - McPhail Geotech & Geoenvironmental
BRR#4	HMFH/McPhail Associated	A&E - Other Reimbursable Costs	\$372,850.00	A&E - Geotech & Geotech Environment	Additional Services - McPhail Geotech & Geoenvironmental
BRR#4	HMFH/Bryant Associates	A&E - Wetlands	\$8,910.00	A&E - Traffic Studies	Additional Services - Traffic Study - TOA Transp. Advisory Committee Request
BRR#5	Renaissance Alliance Insurance Services	Other Project Costs	\$1,219.92	Owner's Insurance	Parmenter School General Liability Audit Additional Premium
BRR#5	HMFH Architects, Inc.	A&E - Other Basic Services	\$219.43	A&E - Other Reimbursable Costs	Phase 1 FF&E Procurement Advertisement
BRR#6	HMFH/BALA	Legal Fees	\$6,842.00	A&E - Construction Contract Documents	BALA Addt. Services #6 - Temp Kitch Off Equip
BRR#6	HMFH/BALA	Legal Fees	\$10,450.00	A&E - Construction Contract Documents	BALA Addt. Services #7 - Change to natural gas for temp boiler
BRR#6	HMFH Architects, Inc.	Other	\$3,750.00	A&E - Other Reimbursable Costs	AHS Logo Graphic Design Services
BRR#7	HMFH Architects, Inc.	A&E - Hazardous Materials	\$17,285.00	A&E - Construction Contract Documents	Budget Overage Transfer
BRR#7	HMFH Architects, Inc.	A&E - Hazardous Materials	\$24,777.00	A&E - Other Reimbursable Costs	Budget Overage Transfer
BRR#7	HMFH Architects, Inc.	A&E - Hazardous Materials	\$6,711.00	A&E - Geotech & Geotech Environment	Budget Overage Transfer
Total "Other" Transfers			\$1,007,244.55		



9/15/2023
Arlington High School
Contingency/Allowance/Hold Summary

Total	\$27,376,957	\$7,829,506	Note
	Budget	Remaining	
GMP Contingency	\$6,967,419	\$2,779,799	* Includes projected and approved. Includes earmarked \$400K for Ph 3 and 4 extension
Allowances & Holds	\$10,563,990	\$2,855,810	* Includes projected and approved
Owner's Soft Cost Contingency	\$2,769,807	\$142,066	*Includes earmarked \$398,120 for Ph 3 and 4 extension
Construction Contingency	\$7,075,741	\$2,051,832	* Includes projected and approved. Includes earmarked \$400K for Ph 3 and 4 extension



Changes Log

	COR Pending FSC/SBC Approval
	CCC to provide response
	OPM/HMFH Review Pending

	Pending Consigli Change Request
	- Change Closed/Approved
	Owner Decisions

CR #*	Change Doc	Description	CR Opened	CR Issued	Pricing Status	CR Status	CR Amount Submitted	CR Amount Approved	Estimated Value	Date District Approval	MSBA Category	Owner CO No.	Skanska Response	HMFH Response	Status Comments
368	ASI 222	ASI-222 - Revisions to Foundation-Slab-Steel (BLDG B+A - PH 2+3) _EST	3/17/2022	8/11/2022	submitted	Open	\$2,071								
419	ASI 166.1	ASI-166.1 - Roof Walkway Pad Layout Revisions & Scupper Locating dim	5/12/2022	7/19/2022	Wait	Wait	\$8,121								coordinated.
447.2		Unforseen Bulk ACM Overage Projection Phase 3	6/9/2022	12/23/2022	Submitted	Open	\$234,615								
447.3		Unforseen Bulk ACM Overage Projection Phase 4	6/9/2022	12/23/2022	Submitted	Open	\$934,661								
480	PR 011	PR-011 Addition of Lacrosses Field Markings			Submitted	Open	\$13,885								
491	ASI 284	ASI-284 - Additional Display Case Lights + IT Receptacles (PH 1)	8/11/2022	9/12/2022	Submitted	Open	\$9,670								Consigli to breakout into 2
516	ASI 293.1	ASI-293 - Revisions and added dimensions at Part A Roof Framing	9/27/2022	2/7/2023	Submitted	Open	\$54,670							2/8	4/5 trimax responded
519		Ph 3 and Ph 4 School Start	9/27/2022		Ear Mark	Open			\$400,000						
551		Replacement Auditorium Door 236D	12/13/2022	1/6/2023	submitted	Open	\$10,033								
554	ASI 267.3	ASI-267.3 - Revision to Slab Edge at 2nd Floor at Stair #7 (PH 3)	12/19/2022		Outstanding	Open			\$7,054						
573	ASI 326	ASI-326 - Rev to Gym Roof Steel; Framing, Add of Struts, Angles, Beam Cam (PH 3)	2/23/2023	3/29/2023	Submitted	Open	\$35,616								
593	CCD 46	Rev to Elec, tech, data, and security cameras (ph 1 -3)	3/31/2023	5/4/2023	Submitted	Open	\$67,815								
598		Structural Steel Joist Configuration and coordination Ph 3	3/31/2023	4/5/2023	Outstanding	Open	\$73,647								
604	ASI 166.2	ASI 166.2 - Rev to roof walk pad and updated mech. Unit condensers	4/11/2023		Outstanding	Open			\$5,425						
606.1	PR 022	PR-022 Add lighting along bikepath ramp - Option 1	4/24/2023	4/26/2023	Submitted	Open	\$101,929								
609	PR 021	PR-027 - Add Quiet Room in LABBB Ph 3	4/25/2023		Submitted	Open	\$41,882								Need Admin approval - SKA
610	PR 023	PR-023 - Replacement of auditorium stage front panels			Submitted	Open	\$10,022								SKA to ask Admin if want to proceed
618R1	ASI 348	ASI-348 - Rev to Conden Drains - Add Condensate Receptors, Rev Routing (PH 3)		6/19/2023	Submitted	Open	\$23,618					31			
648	ASI 369	ASI-369 - Changes to Size of Steel Sec Plate at Stair 1 Roof Top Access Enclosure		8/24/2023	Submitted	Open	\$883					31			
650	CCD 029	CCD-029 New Door - Door Frame Revision Impacts SP1-03		7/27/2023	Submitted	Open	\$2,888								
651		Speaker relocation Stair 1 L5			Outstanding	Open			\$2,713						
652	RFI 804	RFI 804 - Preschool OT P.212 Missing Plumbing for P-9 Fixture		8/2/2023	Submitted	Open	\$10,543								
654		Bluebird Ext. Tree Design Costs		8/22/2023	submitted	Open	\$143,670								
655	CCD 053	Add Plumb & Elec for P-6 sinks at Life Skills		8/17/2023	submitted	Open	\$42,489					31			
656	PR-025	Revisions to Door Security: Corridor Doors and Main Entry Doors			Outstanding	Open			\$29,877						
658	ASI 371	Provide Level 5 GWB Finish Wall Vinyl Graphic at Welcome Center			Outstanding	Open									
659	CCD 054	Add F/S dampers at duct risers			submitted	Open	\$20,147					31			
660		Extension arms for track of cubicle curtains at Nurse 108A		8/17/2023	submitted	Open	\$1,141					31			
669	RFI 822	RFI 822 - FP Dry System air compressor missing electrical (Ph 2)		9/11/2023	submitted		\$3,909								
672	ASI 375	RFI 826 - Room 441 East Wall Cabinets + Wall Length Conflict		9/11/2023	Outstanding	Open			\$498						
673		FACS + Compass Life Skills Classrooms ADA Sinks Required		9/11/2023	Outstanding	Open			\$16,057						

*CR 1-60 are incorporated into the GMP.

Projected CR's:	\$2,309,549
CR's Approved:	\$2,309,860
Total Approved/Projected CR's	\$4,619,409
Construction Contingency (from 3011)	\$7,075,741
Reallocate to PV remove and reinstall	\$404,500
Revised Construction Contingency (from 3011)	\$6,671,241
Remaining Cont Less Approved COs	\$4,361,381
Remaining Cont Less Approved & Projected COs	\$2,051,832
Contingency Burn Based on Physical Progress Calculation	
Percentage Complete (Physical Progress)	74.8%
Percentage of Total Approved/Projected CR to Const Cont Amount	69.2%
Allotted Const Cont for Current Progress	\$4,988,087
Remaining Allotted (after Approved/Projected)	\$368,678

By Owner	\$458,346
By 3rd Party	\$198,700

Phase 3, and 4 CR's total			
approx. in CR Amount Approved	\$345,383	15%	of total CR approved to date (#30)
in CR Amount Submitted	\$1,400,000	\$1.17M in bulk ACM removal	
in Estimated Value	\$480,000	\$400K for Ph 3/4 Extension	
Total for phases 3 and 4	\$2,225,383		



Arlington High School Project
GMP Contingency Log

Budget:	GMP Cont.	Owner GMP Cont
	\$5,817,419	\$1,150,000

Contingency Letter (CT) #	Document	Description	Amount	GMP Cont. Amount	Owner GMP Cont. Amount	Date Issued	Approved Amount	Date Approved	BIC/Status	Comments
CT004	n/a	Final Clean for EBP 3	\$11,500	\$11,500		3/22/2021	\$11,500	3/23/2021	Closed	
CT006	n/a	EBP3 - Plywood filler at guidance office demising walls	\$350	\$350		3/22/2021	\$350	3/23/2021	Closed	
CT010	n/a	EBP3 - F/I blinds due to existing missing	\$750	\$750		3/22/2021	\$750	3/23/2021	Closed	
CT014	n/a	EBP2 - Hydroseed loam stockpile	\$2,730	\$2,730		2/15/2021	\$2,730	2/18/2021	Closed	
CT015	n/a	EBP3 - Misc. electrical T&M work in Swing Spaces for work associated with RFI 17, CCD 004 & CCD 009	\$2,000	\$2,000		2/10/2021	\$2,000	2/18/2021	Closed	
CT016		Gen. Requirements Reconciliation - June 2022	\$1,055,000	\$1,055,000		8/1/2022	\$1,055,000	9/19/2022	Closed	
CT017A	PR 1/CCD8	Change linoleum tile from Marmoleum MCT to Marmoleum Modular - Phase 1	\$214,346		\$214,346	2/24/2021	\$214,346	2/18/2021	Closed	
CT017B	PR 1/CCD8	Change linoleum tile from Marmoleum MCT to Marmoleum Modular - Phase 2 & 3	\$298,114		\$298,114	2/21/2021	\$298,114	2/18/2021	Closed	
CT018C	PR 2/CCD16	Change Corr C1-06 flooring from AFC-1 to Res Tile - Modulat Tile	\$840		\$840	3/17/2021	\$840	3/17/2021	Closed	
CT019A	PR 3/CCD10	Add CT Wainscot to Stairs 2 and 3 Phase 1	\$190,500		\$190,500	2/23/2021	\$190,500	2/24/2021	Closed	
CT019B	PR 3/CCD10	Add CT wainscot to Stairs 1 and 4 Phase 2	\$97,166		\$97,166	2/23/2021	\$97,166	2/24/2021	Closed	
CT019C	PR 3/CCD10	Add CT wainscot to Stair 8 Phase 3	\$33,911		\$33,911	2/23/2021	\$33,911	2/24/2021	Closed	
CT020A	PR 5/CCD12	Change toilet room flooring to porcelain tile Phase 1	\$70,681		\$70,681	2/25/2021	\$70,681	2/26/2021	Closed	
CT020B	PR 5/CCD12	Change toilet room flooring to porcelain tile Phase 2 and 3	\$176,896		\$176,896	2/25/2021	\$176,896	2/26/2021	Closed	
CT021	PR 4/CCD9	Raised CT Wainscot height in staff toilets Rms Phases 1-3	\$20,738		\$20,738	2/22/2021	\$20,738	2/24/2021	Closed	
CT022		Quick ship door frams Bldg D L5 & L4. To cover overage in HT-15. Total Cost is \$5,837	\$837	\$837		3/21/2021	\$837	3/23/2021	Closed	
CT025		F&I Temp doors and hardware for Mech/Elec Rooms - Phase 1	\$5,891	\$5,891		6/7/2021	\$5,891	6/7/2021	Closed	total is \$7,315.7; \$1,425 funding from Hold 8-006
CT026	PR-006	Provide sink in Downs Classroom 336 for temporary daycare	\$16,815		\$16,815	6/2/2021	\$16,815	6/3/2021	Closed	CR124
CT027	ASI 064	Additional caseworks and revisions to accommodate p-trap.- Rms 221, 226, 219 and 220	\$12,255		\$12,255	6/8/2021	\$12,255	6/25/2021	Closed	CR 127
CT028	ASI 051 & .1 & .2	Add Adjustable Shelves to Tech Storage Cabinets	\$7,930		\$7,930	6/8/2021	\$7,930	6/21/2021	Closed	CR 128
CT029		WJGEI Furnish MUSCO Sports pole bases	\$62,027	\$62,027		8/30/2022	\$62,027	9/21/2022	Closed	
CT030		Locker sloped tops	\$22,985	\$22,985		6/17/2021	\$22,985	6/18/2021	Closed	CR 132
CT031		Homosote tackboards in classrooms	\$23,706	\$23,706		2/22/2022	\$23,706	2/24/2022	Closed	
CT032		Swing Space - Spring early abatement April 2021	\$22,000	\$22,000		12/15/2022	\$22,000	1/10/2022	Closed	
CT033	n/a	Reconcile Phase 1 & Establish Phase 2 Surveying Budget	\$362,496	\$362,496		8/18/2021	\$362,496	10/14/2021	Closed	
CT034	RFI 187	Spray acoustic insulation at elliptical lightwells - not bought out with trade	\$32,000	\$32,000		10/7/2021	\$32,000	10/14/2021	Closed	
CT035		Patch/repair water damage GWB Bldg D&E - rain intrusion priore to windows being installed over course of construction	\$16,252	\$16,252		12/15/2022	\$16,252	1/10/2022	Closed	
CT036	n/a	Quick ship and replace frames. Ph 1 Ensemble Rms, swing spaces	\$8,480	\$8,480		10/7/2021	\$8,480	10/14/2021	Closed	
CT037	n/a	K&K Ceiling go back work at D3 and D4 exterior walls	\$1,486	\$1,486		10/7/2021	\$1,486	10/14/2021	Closed	
CT038		See HT054								
CT039		Deletion of projection screen from NEIS scope which was included in Elec. Trade bid.	(\$18,230)	(\$18,230)		10/20/2021	(\$18,230)	11/17/2021	Closed	
CT040		Phase 1 Re-Cleaning, T&M ES	\$4,811		\$4,811	11/9/2021	\$4,811	11/15/2021	Closed	
CT041		RFI-389 - Reframe Electrical Chase due to Duct Conflict - 3rd Flr. Bldg. E (CR172)	\$463	\$463		11/9/2021	\$463	11/15/2021	Closed	
CT042		Revised locations of sanitary napkin dispensers - Bldg D 4th & 5th Fl. (CR176)	\$1,991		\$1,991	11/9/2021	\$1,991	11/15/2021	Closed	
CT043		Furnish New mobile hand sinks noted existing	\$8,599	\$8,599		12/6/2021	\$8,599	4/12/2022	Closed	
CT044		F&I 6" Base at Casework & Light Wells - Ph. 1 (CR321)	\$8,856	\$8,856		potential				
CT045		RFI-535 - Added Network Cables for BMS Panels - Phase 1_Sub. 010522	\$1,714		\$1,714	4/12/2022	\$1,714	4/12/2022	Closed	
CT046		Phase 1 Re-Cleaning, T&M	\$31,073	\$31,073		6/30/2022	\$31,073	8/30/2022	Closed	
CT047		Temp Asphalt Sidewalks - Phase 1, T&M	\$27,991	\$27,991		6/25/2022	\$27,991	8/30/2022	Closed	
CT047.1		Removal of Temp Asphalt Sidewalks and Out of Seq Concrete Sidewalk placement- Phase 1, T&M	\$29,689	\$29,689		9/19/2022	\$29,689	10/25/2022	Closed	
CT048		RFI-545 - Heat Recovery Condenser Electrical Discrepancy (Building E)_ CR264	\$24,735	\$24,735		2/14/2022	\$24,735	2/15/2022	Closed	
CT049		VOID				VOID				
CT050		Various Additional Caulking - Ph. 1, T&M, EST	\$8,792	\$8,792		8/30/2022	\$8,792	9/15/2022		
CT051		Replace door/hardware/frame - caused by unknown	\$4,375	\$4,375		3/24/2022	\$4,375	4/12/2022	Closed	
CT052		Add'l skim coat in bathrooms due to tile elevation discrepancy-Ph 1 (\$14,180	\$14,180		3/30/2022	\$14,180	4/12/2022	Closed	
CT053		Replace damage wires from rodents	\$4,795	\$4,795		9/9/2022	\$4,795	9/20/2022	Closed	
CT054		Changes to Terrazzo Patterns L1 & L2. (CR178)	(\$2,026)		(\$2,026)	4/11/2022	(\$2,026)	4/12/2022	Closed	
CT055		Remove temp & install perm doors	\$4,011	\$4,011		1/10/2023	\$4,011	1/25/2023	Closed	
CT056		Change Feminine Hygiene Dispenser	\$2,278	\$2,278		5/6/2022	\$2,278	7/5/2022	Closed	
CT057		ASI 174 - Rework GWB and sills for structural glazing (CR275)	\$4,267	\$4,267		5/10/2022	\$4,267	7/5/2022	Closed	
CT058		Replace Damaged Glass at Window D5 South	\$1,462	\$1,462		5/12/2022	\$1,462	7/5/2022	Closed	
CT for HT056		Auditorium & DLab Seating Expedite Shipping & Floor Mount Stanchions. Total is 36,164.96. See HT056 For balance	\$30,165	\$30,165		5/27/2022	\$30,165	8/1/2022	Closed	
CT059		F&I Male Adapter on Water Line for irrigation connections Ph 1	\$1,620	\$1,620		9/19/2022	\$1,620	10/25/2022	Closed	
CT060		Additional AVB patching at demo separations	\$18,373	\$18,373		9/9/2022	\$18,373	11/30/2022	Closed	
CT061		ASI-228 - Revision to L2.1 Elimination of Stone Mulch Strip at Lawn Area Ph. 1&3 (CR381)	(\$1,977)		(\$1,977)	5/27/2022	(\$1,977)	7/2/2022	Closed	
CT062		Added Canopy Letter Mockup (Phase 1)(CR422)	\$2,840		\$2,840	5/27/2022	\$2,840	7/5/2022	Closed	
CT063		Temp Vinyl Wall Coverings at E2 Bathroom Tile Graphics PH1 (CR417)	\$2,447		\$2,447	5/31/2022	\$2,447	6/8/2022	Closed	
CT064		CCD-039 - Change Floor Finish Material in Toilet Entry Alcove C2-09 Bldg D. (CR345)	\$6,714	\$6,714		6/6/2022	\$6,714	7/5/2022	Closed	
CT065		Repair broken existing pipe fusco & install irrigation flow meter Bldg E	\$2,493	\$2,493		9/9/2022	\$2,493	10/25/2022	Closed	
CT066		Dust control in Fusco for demo	\$7,490	\$7,490		9/19/2022	\$7,490	10/25/2022	Closed	
CT067		RFI-593 - Homosote TB Attachment & Finish Revisions - Ph.1 (CR336)	\$10,042	\$10,042		6/25/2022	\$10,042	7/5/2022	Closed	
CT068		Auditorium doors to be onyx - falvey finsihing	\$9,365	\$9,365		1/10/2023	\$9,365	1/25/2023	Closed	
CT069		Door frame V2-02 rework	\$4,636	\$4,636		1/10/2023	\$4,636	1/25/2023	Closed	
CT070		Relocate tree in Ph 1 sidewalk	\$509	\$509		9/19/2022	\$509	11/30/2022	Closed	
CT071		Punch list touch up of finishes Ph 1	\$9,543	\$9,543		1/10/2023	\$9,543	1/25/2023	Closed	
CT072		Steel tube steel required at rough openings and Room 227 Overhead Door rattled and required an additional gasket	\$10,450	\$10,450		7/28/2022	\$10,450	8/30/2022	Closed	
CT073		Out of Sequence install of auditorium finishes due to supply chain	\$23,735	\$23,735		10/25/2022	\$23,735	10/27/2022	Closed	
CT074		Wire Door 345 HW	\$500	\$500		potential				
CT075		Door and hardware replacement due to unknown cause	\$4,371	\$4,371		8/23/2022	\$4,371	9/22/2023	Closed	
CT076		CCD 043 Fire Protection Revisions_Sub.6/2/22_Labor Cost Only, CR392	\$29,809	\$29,809		8/25/2022	\$29,809	8/25/2022	Closed	
CT077		F&I Replacement threshold at Door Ex-32	\$688	\$688		8/30/2022	\$688	9/20/2022	Closed	
CT-for HT072		Pocket door for side coiling grille B1 Kitchen (total is \$10,200. See HT072)	\$4,200	\$4,200		11/28/2022		1/28/2023		
CT-for AT163		Established OT/Acceleration Allowance	\$300,000	\$300,000		10/27/2022	\$300,000			
CT Earmark		Schedule Extension - Ph 3 and Ph 4	\$400,000	\$400,000		Ear mark				
CT079		EAS Retest UG Plumbing in Bldg. B Prior to SOG Placement_TM	\$3,058	\$3,058		1/27/2023	\$3,058	2/16/2023	Closed	
CT079.1		EAS Retest UG Plumbing in Bldg. C Prior to SOG Placement_TM	\$4,994	\$4,994		5/11/2023	\$4,994	5/19/2023	Closed	
CT080		Phase 2 Tarp Repairs Winter 2022/23 T&M	\$145,304	\$145,304		5/11/2023	\$145,304	5/19/2023		
CT081		Place & Finish 4" Rat Slab at Bldg. E Connector (Ph.2)Phase 2 Tarp Repairs Winter 2022/23 T&M	\$8,951	\$8,951		6/30/2023	\$8,951	7/18/2023	Closed	
CT082		Out of sequence spray fireproofing & Patching ph 2	\$5,791	\$5,791		8/7/2023	\$5,791	8/30/2023	Closed	
CT083		F&I Temp Shoring/Support Duct banks Ph 1-2	\$14,872	\$14,872		8/7/2023	\$14,872	8/30/2023	Closed	
CT084		CCD-013.2 Toilet room partitions (CR398)	\$27,897	\$27,897		3/27/2023	\$27,897	3/28/2023	Closed	
CT085		Additional rebar installation Ph 2	\$11,079	\$11,079		8/25/2023				
CT086		F&I additional layer of SOG mesh for safety Ph.2	\$71,625	\$71,625		5/2/2023	\$71,625	5/18/2023		
CT-For AT203		RFI-725 - B Kitchen Electrical Relocation (CR595). Total is \$11,456.14 - see AT-203	\$5,728	\$5,728		5/31/2023	\$5,728	6/1/2023	Closed	
CT-For CR621		Exterior Courtyard Drains (PH 2) CR621	\$1,739	\$1,739		6/8/2023	\$1,739	6/21/2023		
CT-For CR494		Building B + C Pile Cap Dimensional (CR494)	\$3,070	\$3,070		6/23/2023				
CT091		F&I underslab insulation at radiant heat Ph 2	\$34,499	\$34,499		8/25/2023				
CT093		F&I temp HW heater and piping to temp operate radiant heating to cure concrete ahead of terrazzo.	\$20,526	\$20,526		8/25/2023				
CT094		Furnish replacment door frames for Rooms 114A and B	\$1,596	\$1,596		8/25/2023		why?		
CT099		ASI-358 - Addtl of Wall Furr-out to Acc Roof Drain Pipe - Stair 2 Fl 3-4	\$4,970	\$4,970		8/7/2023				
CT101		F& shrink wrap enclosure in Bldg B. L2 Lightwell to prtoect completed finishes in the upper floors lightwell.	\$9,401	\$9,401		8/25/2023				
CT-										

Double check \$4,167,620 \$3,037,630 \$1,149,991 \$3,688,924 \$498,696

Summary:

GMP Contingency	
Budget	\$5,817,419
Potential	\$498,696
Approved	\$2,538,933
Balance Remaining after potential and approved	\$2,779,789
Balance Remaining after approved	\$3,278,486

Owner GMP Contingency	
Budget	\$1,150,000
Potential	\$0
Approved	\$1,149,991
Balance Remaining after potential and approved	\$9
Balance Remaining after approved	\$9

							OAL	2	3	3	3	3	3	3	1	1	20	1	1	20	1	20	20	20	18	18	18	18	11	11	11	22	22		
HOLD Letter #	Description	Trans. To Subs:	HOLD #	Amount	Date Issued	Date App'd by Owner	Total Hold Balance Remaining	HOLD -Temp fence maintenance	HOLD-Trade Support	HOLD-Street Swp & Lab Clean	HOLD-Temp Construction/Coind	Layout for Demo	HOLD-Shoring/Brac per SE	HOLD-Add Air Monit. W/School	HOLD-Unforeseen Conditions	HOLD-Obs. Rem. @ All SOE	HOLD-Add Grnd Improvements	HOLD-Sum 21 PE Survey	HOLD-Mod. Ex. W. Lot Ret Wall	HOLD-Snow Plowing Ph. 1	HOLD-Snow Plow & Sand	HOLD-BY-PASS for Storm Line	HOLD-6" Grav @ Bold L7.09	HOLD-Conc DB Encas - RFI-131	HOLD-Baseline Control/Survey	HOLD-Extra PIFs/Rej PIFs	HOLD-50hr Down Time Obstruct	HOLD - Fill Aband Holes W Conc	HOLD - Disp of Pile Cutoff	Hold - Trade Support (EBP4	Hold - Weather Conditions	Hold - Add Rebar MEP Coord	HOLD-Trade Support	HOLD-Insulation Topping Slabs	
double check: Transferred/to be transfer to date							Budget	4,448,490	12,303	110,000	37,125	100,000	50,000	75,000	60,000	60,000	75,000	50,000	25,000	30,000	40,000	90,000	50,000	70,000	56,000	45,000	56,250	90,000	15,000	9,500	dissolved	dissolved	24,665	100,000	15,000
Balance Remaining							3,284,813	12,303	110,000	3,198	100,000	50,000	39,892	60,000	50,577	69,705	22,657	25,000	4,171	15,292	90,000	16,911	0	46,200	45,000	25,370	90,000	0	0	0	0	24,665	100,000	15,000	
							1,163,677	0	0	33,927	0	0	35,108	0	9,423	5,295	27,343	0	25,829	24,708	0	33,089	70,000	9,800	0	30,880	0	15,000	9,500	0	0	0	0	0	0
\$3,284,813																			589																
HT 1	Additional exploratory test pits at West Lot retaining wall	Derenzo	2-406	\$589	7/28/20	9/2/20																													
HT 2	void																																		
HT 3	Baseline Survey	Brennan Surveying	2-006 & 5-128	\$70,000	8/20/20	9/2/20						50,000																							
HT 4	Indoor air quality monitoring		2-009	\$60,000	3/17/21	3/23/21								60,000																					
HT 5	EBP 2 Plant Maintenance		1-223	\$12,303	potential			12,303																											
HT 6	Misc. Framing & Patching	T.J McC. & Color Concept	9-223	\$3,543	9/15/20	10/8/20																													
HT 7	EBP #4 - Plumb & Elec. sleeve	Irvine & Griffin	3-113	\$3,686	9/18/20	10/8/20																											3,686		
HT 8	Repair Orange barrier at West Lot	Derenzo	2-406	\$3,018	10/5/20	10/8/20													3,018																
HT 9	Various Transfer to Gen Requirements	Riggs	various	\$1,324,912	6/12/21	8/10/21			110,000		100,000																							100,000	
HT 10	Temp lockset for C of O	A&A	9-223 & 8-005	\$900	11/11/20	11/20/20																													
HT 11	Furnish electrical sleeves in Bldg E foundations	Griffin	3-113	\$13,965	2/15/21	2/18/21																										13,965			
HT 12	EBP 2 - Install cast iron cleanouts on PVC cleanouts on sewer easement	Derenzo	2-409	\$1,345	3/21/21	3/23/21																	1,345												
HT 13	EBP 4 - Bldg E Ph. 2/3 colums - added rebar couplers	Riggs	3-113 3-116	\$16,654	potential																											7,014			
HT 14	Phase 1 baseline/survey	Brennan Surveying	2-412 2-405 9-232 12-611	\$143,000	3/21/21	3/23/21												25,000							45,000										
HT15	Quick ship door frames Bldg D L5 & L4. Overage covered CT022. Total Cost is \$5,837	Eaton	8-007	\$5,000	3/21/21	3/23/21																													
HT16	Smoke hatch manual releases at stage level. CCD 007. Previous CR082. VOID	VOID - releases no longer needed		VOID	4/8/21	VOID																													
HT16.1	Change smoke hatches at Stage Roof to 5'x8' instead of 5/6" - 12'. Change qty to 4 instead of 2.. CCD 007. CR077	Greenwood \$7,054 Colony \$2,154.76		\$9,209	4/28/21	7/13/021																													
HT17	RFI 213 - Vestibule overhand storm pipe column and ceiling conflict	Trimax	5-125	\$1,594	7/20/21	8/10/21																													
HT18	Shoring for Auditorium box girder	Brandsafway	2-008	\$26,290	6/1/21	6/7/21							26,290																						
HT19	OT during concrete placement due snow melt dripping - weather	Riggs	5-122	\$2,797	6/12/21	8/10/21																													
HT20	Gen. Requirements Reconciliation - June 2022	Riggs	various	\$800,262	8/1/22	9/19/22																				90,000								15,000	
HT21	Excavate test pits Schouler Ct. for existing conditions U/G elec.	Derenzo	2-402	\$11,933	6/7/21	6/25/21										11,933																			
HT22	CCD 6/ASI 031 Modification to Beam 30B59	Trimax	5-125	\$9,811	5/19/21	6/7/21																													
HT23	Permanent SOE Revision	Derenzo	2-404	\$13,474	6/8/21	6/25/21											13,474																		
HT24	RFI 027.1 - Add steel channel closure plate at stairs - Ph 1	Trimax	5-125	\$4,950	6/12/21	8/10/21																													
CT025	F&I Temp doors and hardware for Mech/Elec Rms. Ph 1. Balance in CT025	Eaton	8-006	\$1,425	6/7/21	6/8/21																													
HT25	Pre-drill steel for Operable Partition Frames	Trimax	10-651	\$1,960	7/7/21	7/13/21																													
HT26	RFI 239 - Additional supports for dunnage - Bldg D HVAC units	Trimax	5-125	\$4,457	8/25/21	8/26/21																													
HT27	RFI 271 - Beam Penetrations Rm 326	Trimax	5-125	\$1,139	7/7/21	7/13/21																													
HT28	F/I stairs for access to auditorium dance fl.	Riggs	9-841		VOID																														
HT29	Temp Roofing for curbs/skylight at Bldg D																																		

Hold Letter #	Description	Trans. To Subs:	Hold #	Amount	Date Issued	Date Appr'd by Owner	Hold #:	1-223	2-002	2-004	2-005	2-006	2-008	2-009	2-011	2-402	2-404	2-405	2-406	2-407	2-408	2-409	2-410	2-411	2-412	2-741	2-742	2-743	2-744	3-111	3-112	3-113	3-114	3-115
							Total Hold Balance Remaining	HOLD -Temp fence maintenance	HOLD-Trade Support	HOLD-Street Swp & Lab Clean	HOLD-Temp Construction/Co Ind	Layout for Demo	HOLD-Shoring/Brac per SE	HOLD-Add Air Monit. W/School	HOLD-Unforeseen Conditions	HOLD-Obs. Rem. @ All SOE	HOLD-Add Grnd Improvements	HOLD-Sum 21 PE Survey	HOLD-Mod. Ex. W. Lot Ret Wall	HOLD-Snow Plowing Ph. 1	HOLD-Snow Plow & Sand	HOLD-BY-PASS for Storm Line	HOLD-6" Grav @ Bolld L7.09	HOLD-Conc DB Encas - RFI-131	HOLD-Baseline Control/Survey	HOLD-Extra PIFs/Rej PIFs	HOLD-50hr Down Time Obstruct	HOLD - Fill Aband Holes W Conc	HOLD - Disp of Pile Cutoff	Hold - Trade Support (EBP4	Hold - Weather Conditions	Hold - Add Rebar MEP Coord	HOLD-Trade Support	HOLD-Insulation Topping Slabs
HT48	Ext. AVB prep & patching for Bldg D&E	PJ Spillane	9-227	\$10,968	2/22/22	2/24/22																												
HT49	UTS and ANT exploratory	Derenzo	2-402	\$5,616	2/2/22	2/3/22										5,616																		
HT50	Rapid Flow Video Survey Existing MWRA Sewer for 8M Permit_T&M_EST	Derenzo	2-409	\$6,773	8/11/22	8/30/22															6,773													
HT51	Survey for ASI 198 - Grading Rev at Bldg E West ext. courtyard & sidewalk_T&M	Derenzo	2-406	\$564	3/30/22	4/21/22													564															
HT52	ASI-195 - 4th Floor Beam Penetration Bldg. B (CR 326)	TriMax	5-123	\$884	3/31/22	4/21/22																												
HT53	Riggs General Requirements	Riggs	2-891 5-124		VOID																													
HT54	RFI-532 - F&I Add'l Nailers for Armstrong Audit. Slat Ceiling	Riggs/Colony/Delta	6-604	\$21,967	4/19/22	4/21/22																												
HT55	Final cleaning temp Blue Gym kitchen	Front Line	1-862	\$2,472	4/19/22	5/3/22																												
HT56	Auditorium & DLab Seating Expedite Shipping & Floor Mount Stanchions. Total is 36,164.96. See CT 2 For balance	RH Lord	12-612 12-001	\$6,000	5/27/22	8/1/22																												
HT57	GWB Patching in Auditorium Damages found on punchlist	Colony	9-223 9-227	\$711	9/16/22	9/21/22																												
HT58	Test Pits Inner Courtyard Fusco for ftg	Derenzo	2-402	\$2,433	9/16/22	10/4/22										2,433																		
HT59	Ph 1 Fireproofing patching	Island	9-228	\$17,400	5/27/22	6/23/22																												
HT60	Ph 1 Exterior column cover install	Colony	7-480	\$14,962	5/27/22	7/5/22																												
HT61	Added HM Sidelite Blinds PH1-2-3 (CR389)	Walker	12-491	\$3,321	6/9/22	7/20/22																												
HT62	Fusco Temp shoring for Ph. 2 Demo	Costello	2-008	\$6,581	7/27/22	8/30/22							6,581																					
HT62.1	Fusco Temp shoring for Ph. 2 Demo	Costello	2-008	\$7,021	1/10/23	1/25/23							7,021																					
HT63	Reroute 15" drain line for Ph 2 Bldg footprint	Derenzo	2-409	\$8,793	9/16/22	9/29/22															8,793													
HT64	Street sweeping Millbrook - June 2022	Derenzo	2-004	\$2,198	9/19/22	10/27/22				2,198																								
HT65	Existing Hydraulic UST Removal & Oil Tank Pipe Removal Ph.2	Derenzo	2-011	\$24,536	10/13/22	10/26/22									24,536																			
HT66	Ph 2 Obstructed PIF's		2-741	\$20,178	1/10/23	2/17/23																			\$20,178									
HT67	ASI-258 - Revisions to power+connections in school committee RM D216 (BLDG C) (CR435)	Griffin	12-491	\$2,447	8/9/22	10/5/22																												
HT68	Frame/GWB Closure Soffit at Auditorium Entrance Ceiling_T&M	Riggs	6-604	\$3,040	9/16/22	10/25/22																												
HT69	ASI-158.1 - Var. Steel & Slab Rein Revs at Glass Rail (PH3) - drafting /coor costs	TriMax	5-123	\$916	8/25/22	9/22/22																												
HT70	CCTV of 42" drain line	Derenzo	2-404	\$9,183	10/22/22	12/14/22										9,183																		
HT71	Colony for Ph 1 CW watert testing	Colony	9-223 9-227	\$2,921	10/22/22	12/14/22																												
HT72	Pocket door for side coiling grille B1 Kitchen (total is \$10,200. See Cont for balance)	Baron	8-363	\$6,000	11/28/22	1/25/23																												
HT73	Various Sitework Ph 2	Derenzo	2-402	\$24,980	1/23/23	3/2/23										24,980																		
HT74	Temp SOE void grouting	Derenzo	2-402	\$24,743	2/7/23	2/16/23										24,743																		
HT75	Furnish 52 Elecone nuts and plate washers for Ph 2	TriMax	5-123	\$4,741	10/25/22	12/14/22																												
HT76	ASI-290 - Provide Safety Line at Fall Arrest Anchors (BLDG B Roof)		11-911	\$4,050	10/27/22	10/27/22																												
HT for CR89R	CCD 015 - Revs to Site per electrical ductbank and transfer revision	Derenzo	2-411	\$46,200	12/13/21	12/17/21																	46,200											
HT for CR550R2	Acoustical Screen Panel Additional Supports (PH 3)	TJ McCartney	7-477	\$15,000	2/23/23	2/1/23																												
HT78	Addtl crane for steel shake out due to site constraints Ph 2	TriMax	5-129	\$38,949	5/11/23	5/19/23																												
HT79	Motor cover & size change to 111 Coiling fire door	Baron	8-361	\$6,400	5/11/23	7/18/23																												
HT80	Site Sanding and Snow Removal Dec 2022		2-407 2-408	\$40,679	potential															2,695	37,984													
HT81	Lift for lightwell recleaning Ph 1	Front Line	1-862	\$489	12/23/23	1/4/23																												
HT82	Site Sanding and Snow Removal Jan 2023		2-407	\$12,597	potential															12,597														
HT83	RFI-680 - Additl Rebar PC1 Bldg. B (CR513)	Riggs	2-741	\$5,192	3/27/23	4/4/23																			\$5,192									
HT84	AVB Patching at Relieving Angles Ph2_TM_EST				potential																													
HT85	Removal Unsuitable Soils Below Detention Chamber PH 2_EST		2-011	17541.31	potential										17,541																			
HT for AT158	AT158 Barker Various Added Rebar Ph 1 Site & Ph 2.		3-116 5-122	\$12,074	5/11/23																													
HT86	CCD-048 - Rev In-Wall Blocking for FFE-Tech Items (PH 2-3		9-225	\$4,885	6/8/23	6/9/23																												
HT87	Mill St Shed Chemical Removal and Disposal	Costello	2-011	\$8,500	6/15/23	7/18/23									8,500																			
HT88	RFI 779 - MEP Wall sleeves and fire valve cabinet conflicts. CR628		9-225	\$964	8/3/23																													
HT089	Rev to wall paneling at forum stairs (CR631)		5-123	\$6,138	8/10/23																													
HT90	ASI-364 - Add of Recessed Picture Rails & Rev to 2 Control It locations CR639		9-225	\$4,885	8/7/23																													

			22	12	12	12	12	12	12	12	12	12	17	19	19	21	21	21	16	4	16	16	16	16	16	16	16	16	16	25	13	13	5
Hold Letter #	Description	Trans. To Subs:	3-116	5-121	5-122	5-123	5-124	5-125	5-126	5-127	5-128	5-129	7-811	8-006	8-007	8-361	8-362	8-363	9-222	9-223	9-224	9-225	9-226	9-227	9-228	9-229	9-230	9-231	9-232	10-651	10-802	10-803	8-005
			HOLD-Addl Reb. MEP Coord	HOLD-Trade Support	GMP Hold - Weather Delay	GMP Hold - Add Pen & Framed Op	GMP Hold - Add Picks for Trade	GMP Hold - Add Slt MEP Fac Coo	GMP Hold - Add Supp Slt CurWal	GMP Hold - Maint & Rem Cab Rai	Baseline Control / Survey	GMP Hold - Crane Pad	HOLD-Addl Moves & Patching day	HOLD - Temp D/HW MEP Closets	HOLD - Quick Ship Ph. 1 Frames	HOLD-Accordion Fire Door	HOLD-Low Volt Wiring OHD-Cntrl	HOLD-Pocket Door 1.4/A9.7.3	HOLD-Temp Construction Items	HOLD-EBP3 Patch/Rep Plast	HOLD-Inst Temp Plywd @ Skyligh	HOLD - Addl Blocking for FFE	HOLD-Acc Sealant @ JB's	HOLD-Misc Patch RC Work	HOLD-Additional Firestopping	HOLD - Ins/Tape 1&3/A6.1.3	HOLD-Labor Trade Support	HOLD - Lightwell Staging Sp In	HOLD-B-Line Cntrl & Survey	Pre-drill for Operable Partition	HOLD - EBP3 - FE Cab. Install	HOLD - EBP3 - Inst Salv Locker	HOLD - EBP3 - Quick Ship
			10,000	90,000	30,000	48,000	50,000	192,000	60,000	35,000	20,000	50,000	12,000	1,425	5,000	52,610	5,000	6,000	20,000	4,100	60,000	60,000	150,000	100,000	150,000	50,000	600,000	25,000	63,000	5,000	dissolved	dissolved	500
			10,000	90,000	14,510	12,679	50,000	173,036	0	35,000	20,000	38,949	12,000	1,425	5,000	6,400	0	6,000	20,000	4,100	60,000	49,311	150,000	14,443	150,000	0	600,000	25,000	63,000	1,960	0	0	500
			0	0	15,490	35,321	0	18,964	60,000	0	0	11,051	0	0	0	46,210	5,000	0	0	0	0	0	10,689	0	85,557	0	50,000	0	0	0	3,040	0	0
HT 1	Additional exploratory test pits at West Lot retaining wall	Derenzo																															
HT 2	void																																
HT 3	Baseline Survey	Brennan Surveying									20,000																						
HT 4	Indoor air quality monitoring																																
HT 5	EBP 2 Plant Maintenance																																
HT 6	Misc. Framing & Patching	T.J McC. & Color Concept																	3,543														
HT 7	EBP #4 - Plumb & Elec. sleeve	Irvine & Griffin																															
HT 8	Repair Orange barrier at West Lot	Derenzo																															
HT 9	Various Transfer to Gen Requirements	Riggs		90,000															20,000							600,000							
HT 10	Temp lockset for C of O	A&A																	400														500
HT 11	Furnish electrical sleeves in Bldg E foundations	Griffin																															
HT 12	EBP 2 - Install cast iron cleanouts on PVC cleanouts on sewer easement	Derenzo																															
HT 13	EBP 4 - Bldg E Ph. 2/3 colums - added rebar couplers	Riggs	9,640																														
HT 14	Phase 1 baseline/survey	Brennan Surveying																										63,000					
HT15	Quick ship door frames Bldg D L5 & L4. Overage covered CT022. Total Cost is \$5,837	Eaton												5,000																			
HT16	Smoke hatch manual releases at stage level. CCD 007. Previous CR082. VOID	VOID - releases no longer needed																															
HT16.1	Change smoke hatches at Stage Roof to 5'x8' instead of 5/6" - 12'. Change qty to 4 instead of 2.. CCD 007. CR077	Greenwood \$7,054 Colony \$2,154.76																															
HT17	RFI 213 - Vestibule overhand storm pipe column and ceiling conflict	Trimax						1,594																									
HT18	Shoring for Auditorium box girder	Brandsafway																															
HT19	OT during concrete placement due snow melt dripping - weather	Riggs			2,797																												
HT20	Gen. Requirements Reconciliation - June 2022	Riggs					50,000			35,000											54,662		150,000		144,600			25,000					
HT21	Excavate test pits Schouler Ct. for existing conditions U/G elec.	Derenzo																															
HT22	CCD 6/ASI 031 Modification to Beam 30B59	Trimax						9,811																									
HT23	Permanent SOE Revision	Derenzo																															
HT24	RFI 027.1 - Add steel channel closure plate at stairs - Ph 1	Trimax						4,950																									
CT025	F&I Temp doors and hardware for Mech/Elec Rms. Ph 1. Balance in CT025	Eaton												1,425																			
HT25	Pre-drill steel for Operable Partition Frames	Trimax																												1,960			
HT26	RFI 239 - Additional supports for dunnage - Bldg D HVAC units	Trimax						4,457																									
HT27	RFI 271 - Beam Penetrations Rm 326	Trimax						1,139																									
HT28	F/I stairs for access to auditorium dance fl.	Riggs																															
HT29	Temp Roofing for curbs/skylight at Bldg D	Greenwood																			5,338												
HT30	RFI 206 - Addt'l channel to support HRU-9 curb	Trimax						1,876																									
HT31	RFI 280 - Trim steel deck form 14" to 8"	Trimax						2,896																									
HT32	Field install Bldg D davits in lieu of factory install due to timing	Trimax						2,286																									
HT33	RFI 157 Bldg D5 Steel hangers and duct conflict. (CR080)	Trimax						814																									
HT34	RFI 226 Beam penetration in Science Classroom 426. (CR101)	Trimax						3,236																									
HT35	ASI 074 - Beam Penetration at Woodshop 227	Trimax Island						5,579																									
HT36	ASI 069 - Revision to 6/56.2.4 raised HSS Girt, add plates. (CR138)	Trimax Island						1,598																									
HT37	F&I crushed stones for site maint.	Derenzo																															
HT38	Add'l blocking CW heads/sills & locker pods	Colony																				13,778											
HT39	Ph 1 steel revision to submittals/shop drawings. (CR098)	Trimax Island						11,692																									
HT40	Various EBP#4 Phase 1 Structural Steel	Trimax						18,634																									
HT41	F&I Ceiling Support Framing Grid																																

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Hold Letter #	Description	Trans. To Subs:	15	15	14	14	23	23	23	27	27	28	28	29	29	29	30	31	32	32	33	33	33	33	33	34	35	36	36	36	37	38	40	41	41	42	42	43	44
			11-911	11-912	7-262	7-263	12-611	12-612	12-613	TBD	TBD	TBD	TBD	11-061	11-062	11-063	6-604	9-802	9-841	9-842	7-476	7-477	7-478	7-479	7-480	9-641	9-681	9-623	9-622	9-621	9-628	TBD	12-491	TBD	TBD	3-103	3-104	TBD	TBD
			GMP HOLD- Design Asst Wndw	GMP HOLD-Hoist Support Ph2	HOLD - Geomembrane. Pen. Patch	HOLD - Slab Vent Syst Addl Mob	Baseline control & Survey	Storage racks for 30 addt'l seating	Storage off site - seating	Addtl training for fume hood	Fume hood testing	Geomemb penetration & patch	Addtl mobilization	Labor support Theater equip	Smoke hatch closure rigging	Stage fl protection	Addtl framing, plywood back up aud. Panels	Patching - \$2,500/day spray acous. Insulation	Supp access for light wells	Trade support	Mock-up bigger than 3'x3'	Custom color Metal Panels	fl. protect during metal panel install	snow removal during metal panel install	Support for ext. column covers	Floor protection-wood fl	Floor protection-carpet	Fl leveling, vapor mitg. Resin/exopy	Spec. power needs - Resin Epoxy floor	Fl. protection Resin expoy floor	Add'l floor leveling - athlet floor	Misc. items for reloc. lockers	Elec. for window treatment	Projection Screen	Auditorium projection screens	Add'l touch up/repair/mobilization	Fl. Protection	SS panel to cover cabinets fronts	Supp steel for mat hoist
			4,050	0	0	36,000	10,000	1,000	5,000	0	0	0	0	50,000	9,209	20,000	34,817	0	100,000	50,000	10,000	15,000	60,000	0	14,962	25,000	27,000	0	0	20,132	0	0	5,767	0	0	40,000	52,780	0	0
			950	1,000	60,000	0	0	0	1,000	5,000	36,800	1,800	0	5,791	0	10,183	20,000	0	0	0	0	0	25,000	5,038	0	0	20,000	10,000	0	30,000	5,000	7,233	15,000	10,000	0	0	10,000	15,000	
HT 1	Additional exploratory test pits at West Lot retaining wall	Derenzo																																					
HT 2	void																																						
HT 3	Baseline Survey	Brennan Surveying																																					
HT 4	Indoor air quality monitoring																																						
HT 5	EBP 2 Plant Maintenance																																						
HT 6	Misc. Framing & Patching	T.J McC. & Color Concept																																					
HT 7	EBP #4 - Plumb & Elec. sleeve	Irvine & Griffin																																					
HT 8	Repair Orange barrier at West Lot	Derenzo																																					
HT 9	Various Transfer to Gen Requirements	Riggs												50,000		20,000			50,000					60,000			25,000	27,000			20,132					52,780			
HT 10	Temp lockset for C of O	A&A																																					
HT 11	Furnish electrical sleeves in Bldg E foundations	Griffin																																					
HT 12	EBP 2 - Install cast iron cleanouts on PVC cleanouts on sewer easement	Derenzo																																					
HT 13	EBP 4 - Bldg E Ph. 2/3 colums - added rebar couplers	Riggs																																					
HT 14	Phase 1 baseline/survey	Brennan Surveying					10,000																																
HT15	Quick ship door frames Bldg D L5 & L4. Overage covered CT022. Total Cost is \$5,837	Eaton																																					
HT16	Smoke hatch manual releases at stage level. CCD 007. Previous CR082. VOID	VOID - releases no longer needed																																					
HT16.1	Change smoke hatches at Stage Roof to 5'x8' instead of 5/6" - 12'. Change qty to 4 instead of 2.. CCD 007. CR077	Greenwood \$7,054 Colony \$2,154.76												9,209																									
HT17	RFI 213 - Vestibule overhand storm pipe column and ceiling conflict	Trimax																																					
HT18	Shoring for Auditorium box girder	Brandsafway																																					
HT19	OT during concrete placement due snow melt dripping - weather	Riggs																																					
HT20	Gen. Requirements Reconciliation - June 2022	Riggs				36,000												100,000		10,000																40,000			
HT21	Excavate test pits Schouler Ct. for existing conditions U/G elec.	Derenzo																																					
HT22	CCD 6/ASI 031 Modification to Beam 30B59	Trimax																																					
HT23	Permanent SOE Revision	Derenzo																																					
HT24	RFI 027.1 - Add steel channel closure plate at stairs - Ph 1	Trimax																																					
CT025	F&I Temp doors and hardware for Mech/Elec Rms. Ph 1. Balance in CT025	Eaton																																					
HT25	Pre-drill steel for Operable Partition Frames	Trimax																																					
HT26	RFI 239 - Additional supports for dunnage - Bldg D HVAC units	Trimax																																					
HT27	RFI 271 - Beam Penetrations Rm 326	Trimax																																					
HT28	F/I stairs for access to auditorium dance fl.	Riggs																0																					
HT29	Temp Roofing for curbs/skylight at Bldg D	Greenwood																																					

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			44	45	45	47	47	47	49	50
Hold Letter #	Description	Trans. To Subs:	TBD	2-891	TBD	2-971	TBD	TBD	TBD	1-862
			Low voltage wiring (athletic equip)	On site out of seq. mtl handling	Perimeter anchor trench coord.	Temp top soil, seeding, ground cover	Layout & controls for Phase 4 work	Truck/dispos. Surplus topsoil and import loam Phase 4	Add'l mobil for Audit. Fall protection	Temp Kitchen cleaning
			5,000	50,000	20,000	40,000	50,000	90,000	2,500	5,000
			0	50,000	0	11,883	0	0	0	2,961
			5,000	0	20,000	28,117	50,000	90,000	2,500	2,039
HT 1	Additional exploratory test pits at West Lot retaining wall	Derenzo								
HT 2	void									
HT 3	Baseline Survey	Brennan Surveying								
HT 4	Indoor air quality monitoring									
HT 5	EBP 2 Plant Maintenance									
HT 6	Misc. Framing & Patching	T.J McC. & Color Concept								
HT 7	EBP #4 - Plumb & Elec. sleeve	Irvine & Griffin								
HT 8	Repair Orange barrier at West Lot	Derenzo								
HT 9	Various Transfer to Gen Requirements	Riggs								
HT 10	Temp lockset for C of O	A&A								
HT 11	Furnish electrical sleeves in Bldg E foundations	Griffin								
HT 12	EBP 2 - Install cast iron cleanouts on PVC cleanouts on sewer easement	Derenzo								
HT 13	EBP 4 - Bldg E Ph. 2/3 colums - added rebar couplers	Riggs								
HT 14	Phase 1 baseline/survey	Brennan Surveying								
HT15	Quick ship door frames Bldg D L5 & L4. Overage covered CT022. Total Cost is \$5,837	Eaton								
HT16	Smoke hatch manual releases at stage level. CCD 007. Previous CR082. VOID	VOID - releases no longer needed								
HT16.1	Change smoke hatches at Stage Roof to 5'x8' instead of 5/6" - 12'. Change qty to 4 instead of 2.. CCD 007. CR077	Greenwood \$7,054 Colony \$2,154.76								
HT17	RFI 213 - Vestibule overhand storm pipe column and ceiling conflict	Trimax								
HT18	Shoring for Auditorium box girder	Brandsafway								
HT19	OT during concrete placement due snow melt dripping - weather	Riggs								
HT20	Gen. Requirements Reconciliation - June 2022	Riggs		50,000						
HT21	Excavate test pits Schouler Ct. for existing conditions U/G elec.	Derenzo								
HT22	CCD 6/ASI 031 Modification to Beam 30B59	Trimax								
HT23	Permanent SOE Revision	Derenzo								
HT24	RFI 027.1 - Add steel channel closure plate at stairs - Ph 1	Trimax								
CT025	F&I Temp doors and hardware for Mech/Elec Rms. Ph 1. Balance in CT025	Eaton								
HT25	Pre-drill steel for Operable Partition Frames	Trimax								
HT26	RFI 239 - Additional supports for dunnage - Bldg D HVAC units	Trimax								
HT27	RFI 271 - Beam Penetrations Rm 326	Trimax								
HT28	F/I stairs for access to auditorium dance fl.	Riggs								
HT29	Temp Roofing for curbs/skylight at Bldg D	Greenwood								
HT30	RFI 206 - Addt'l channel to support HRU-9 curb	Trimax								
HT31	RFI 280 - Trim steel deck form 14" to 8"	Trimax								
HT32	Field install Bldg D davits in lieu of factory install due to timing	Trimax								
HT33	RFI 157 Bldg D5 Steel hangers and duct conflict. (CR080)	Trimax								
HT34	RFI 226 Beam penetration in Science Classroom 426. (CR101)	Trimax								
HT35	ASI 074 - Beam Penetration at Woodshop 227	Trimax Island								
HT36	ASI 069 - Revision to 6/56.2.4 raised HSS Girt, add plates. (CR138)	Trimax Island								
HT37	F&I crushed stones for site maint.	Derenzo								
HT38	Add'l blocking CW heads/sills & locker pods	Colony								
HT39	Ph 1 steel revision to submittals/shop drawings. (CR098)	Trimax Island								
HT40	Various EBP#4 Phase 1 Structural Steel	Trimax								
HT41	F&I Ceiling Support Framing Grid Auditorium entrance	Trimax								
HT41.1	Extend Soffit Framing at Aud Entrance - Bldg E	Colony								
HT42	Add'l blocking Ph 1	Colony								
HT43	void									
HT44	Site Sanding and Snow Removal Dec 2021 & Jan 2022	Derenzo								
HT45	F&I Various Misc. Metal Supplemental Material	Avid								
HT46	Site Sanding and Snow Removal Feb 2022	Derenzo								

			TBD	2-891	TBD	2-971	TBD	TBD	TBD	1-862
Hold Letter #	Description	Trans. To Subs:	low voltage wiring (athletic equip)	On site out of seq. mtl handling	perimeter anchor trench coord.	Temp top soil, seeding, ground cover	Layout & controls for Phase 4 work	truck/pospos. Surplus topsoil and imprort loam Phase 4	Add'l mobil for Audit. Fall protection	Temp Kitchen cleaning
HT48	Ext. AVB prep & patching for Bldg D&E	PJ Spillane								
HT49	UTS and ANT exploratory	Derenzo								
HT50	Rapid Flow Video Survey Existing MWRA Sewer for 8M Permit_T&M_EST	Derenzo								
HT51	Survey for ASI 198 - Grading Rev at Bldg E West ext. courtyard & sidewalk_T&M	Derenzo								
HT52	ASI-195 - 4th Floor Beam Penetration Bldg. B (CR 326)	TriMax								
HT53	Riggs General Requirements	Riggs								
HT54	RFI-532 - F&I Add'l Nailers for Armstrong Audit. Slat Ceiling	Riggs/Colony/Delta								
HT55	Final cleaning temp Blue Gym kitchen	Front Line								2,472
HT56	Auditorium & DLab Seating Expedite Shipping & Floor Mount Stanchions. Total is 36,164.96. See CT 2 For balance	RH Lord								
HT57	GWB Patching in Auditorium Damages found on punchlist	Colony								
HT58	Test Pits Inner Courtyard Fusco for ftg	Derenzo								
HT59	Ph 1 Fireproofing patching	Island								
HT60	Ph 1 Exterior column cover install	Colony								
HT61	Added HM Sidelite Blinds PH1-2-3 (CR389)	Walker								
HT62	Fusco Temp shoring for Ph. 2 Demo	Costello								
HT62.1	Fusco Temp shoring for Ph. 2 Demo	Costello								
HT63	Reroute 15" drain line for Ph 2 Bldg footprint	Derenzo								
HT64	Street sweeping Millbrook - June 2022	Derenzo								
HT65	Existing Hydraulic UST Removal & Oil Tank Pipe Removal Ph.2	Derenzo								
HT66	Ph 2 Obstructed PIF's									
HT67	ASI-258 - Revisions to power+connections in school committee RM D216 (BLDG C) (CR435)	Griffin								
HT68	Frame/GWB Closure Soffit at Auditorium Entrance Ceiling_T&M	Riggs								
HT69	ASI-158.1 - Var. Steel & Slab Rein Revs at Glass Rail (PH3) - drafting /coor costs	TriMax								
HT70	CCTV of 42" drain line	Derenzo								
HT71	Colony for Ph 1 CW watert testing	Colony								
HT72	Pocket door for side coiling grille B1 Kitchen (total is \$10,200. See Cont for balance)	Baron								
HT73	Various Sitework Ph 2	Derenzo								
HT74	Temp SOE void grouting	Derenzo								
HT75	Furnish 52 Elecone nuts and plate washers for Ph 2	TriMax								
HT76	ASI-290 - Provide Safety Line at Fall Arrest Anchors (BLDG B Roof)									
HT for CR89R	CCD 015 - Revs to Site per electrical ductbank and transfer revision	Derenzo								
HT for CR550R2	Acoustical Screen Panel Additional Supports (PH 3)	TJ McCartney								
HT78	Add'l crane for steel shake out due to site constraints Ph 2	TriMax								
HT79	Motor cover & size change to 111 Coiling fire door	Baron								
HT80	Site Sanding and Snow Removal Dec 2022									
HT81	Lift for lightwell recleaning Ph 1	Front Line								489
HT82	Site Sanding and Snow Removal Jan 2023									
HT83	RFI-680 - Additl Rebar PC1 Bldg. B (CR513)	Riggs								
HT84	AVB Patching at Relieving Angles Ph2_TM_EST									
HT85	Removal Unsuitable Soils Below Detention Chamber_PH 2_EST									
HT for AT158	AT158 Barker Various Added Rebar Ph 1 Site & Ph 2.									
HT86	CCD-048 - Rev In-Wall Blocking for FFE-Tech Items (PH 2-3									
HT87	Mill St Shed Chemical Removal and Disposal	Costello								
HT88	RFI 779 - MEP Wall sleeves and fire valve cabinet conflicts. CR628									
HT089	Rev to wall paneling at forum stairs (CR631)									
HT90	ASI-364 - Add of Recessed Picture Rails & Rev to 2 Control It locations CR639									
HT91	Portable picnic tables at ext. courtyard ph 2 (CR653)					11883.28				
HT92	Steel storage Ph 2 - 3									

SKANSKA

Arlington High School Project
Allowance Log

							CCC Cost Code	24-001	24-002	24-003	24-006	24-007	24-008	24-011	24-013	24-014	24-015-021	24-032	24-033	24-034	24-035	24-036	24-037
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Date Issued	Date Approved by Owner	Total Balance Remaining	Temp electric consumption in GR	Temp heating systems and rentals	Temp heating fuel for construction	Project ID signage	Police detail	Humidity control	Temp IT/DPW Project IT Coordination	Acceleration/S elective Over Time	Covid GR Impact Costs	Phasing Contingency	Create clean corridor	Water treatment - allowance	Foundation and obstruction	Sewer by-pass - phase 2	Repair engineer barrier at	Street sweeping - phase 2-3
								001	002	003	006	007	008	011	013	014	015	032	033	034	035	036	037
.						Budget	6,115,500	200,000	125,000	125,000	15,000	22,500	200,000	300,000	700,000	600,000	650,000	100,000	100,000	75,000	50,000	50,000	90,000
.						Potential & Tranferred to date	4,423,367	261,317	63,683	110,041	15,000	5,749	100,000	200,000	686,739	592,942	447,942	100,000	0	0	0	0	50,000
.				0		Balance Remaining	1,692,133	(61,317)	61,317	14,959	0	16,751	100,000	100,000	13,261	7,058	202,058	0	100,000	75,000	50,000	50,000	40,000
				\$4,423,367																			
Pre-GMP	Project ID signage	006		\$721	Pre-GMP	Pre-GMP					721												
AT004	Eversource Invoice for Temp Service	001	24-001	\$33,332	11/30/2020	3/4/2021		33,332															
AT005	Trailer Temp power usage - Sept 2020 - Dec 2020	001	24-001	\$15,751	1/4/2021	3/4/2021		15,751															
AT006	VOID																						
AT007	Eversource Invoice for Temp Service for Trailers	001	24-001	\$17,885	11/16/2020	3/4/2021		17,885															
AT008	VOID																						
AT009	Temporary heating systems and rentals	002	24-002	\$26,290	1/12/2021	2/26/2021			26,290														
AT010	Covid GR Impact Costs	014	24-014	\$6,942	1/12/2021	2/26/2021										6,942							
CR057	Covid GR Impact Costs - Nov 2020 (Taken out of allowance, Consigli cannot re-assign as a AT once approved in their system)	014	24-014	\$6,074	3/23/2021	3/30/2021										6,074							
AT011	Covid GR Impact Costs - Dec 2020	014	24-014	\$4,914	4/29/2021	6/3/2021										4,914							
AT012	Covid GR Impact Costs - Jan 2021	014	24-014	\$7,861	4/29/2021	6/3/2021										7,861							
AT013	Winter Conditions - January 2021	040	24-009	\$22,458	2/15/2021	2/18/2021																	
AT014	Fund Temp Power - January - March '21	001	24-001	\$30,334	6/12/2021	8/5/2021		30,334															
AT015	Fund Project Signage - May 21	006 '014	24-006 24-014	\$15,796	potential						14,279					1,517							
AT016	Temp Heat Equipment Rental and Removal - January -	002	24-002	\$37,393	6/12/2021	8/5/2021			37,393														
AT017	Assignment of CCC Cost Code	n/a	n/a	n/a	2/15/2021	2/18/2021																	
AT019	Covid GR Impact Costs - Feb 2021	014	24-014	\$7,269	6/2/2021	6/3/2021										7,269							
AT020	Fuel for temp heat - March 2021	003	24-003	\$110,041	4/13/2021	4/29/2021				110,041													
AT021	Winter Conditions - Feb and March 2021	040	24-009	\$36,162	4/13/2021	4/29/2021																	
AT022	Covid GR Impact Costs - March 2021	014	24-014	\$16,555	8/3/2021	8/3/2021										16,555							
AT023	Premium Time - Feb and March 2021	013	24-013	\$38,241	4/29/2021	4/29/2021									38,241								
AT024	Premium Time - April 2021	013	24-013	\$31,438	6/7/2021	6/25/2021									31,438								
AT025	Covid GR Impact Costs - April 2021	014	24-014	\$20,407	8/3/2021	8/3/2021										20,407							
AT026R	RFI 314 - Primary Service Feeders change - to minimize shutdown for Phase 2	045	24-045	\$73,546	5/25/2021	8/26/2021																	
AT027	Fusco cooling East locations - electrical	015	24-021	49,410	5/6/2021	5/7/2021											49,410						
AT027	Fusco cooling East locations - HVAC	015	24-020	29,104	5/6/2021	5/7/2021											29,104						
AT028	Covid GR Impact Costs - May 2021	014	24-014	\$12,022	7/29/2021	9/22/2021										12,022							
AT029	Fund Temp Power - April 2021	001	24-001	\$24,857	6/12/2021	8/5/2021		24,857															
AT030	ASI 050 - Elec Cost for Rm. 332 power & data rev.	45	24-045	\$2,073	7/20/2021	8/10/2021																	
AT030.1	ASI 050 - Elec Cost for Rm. 332 power & data rev. (credit)	45	24-045	-\$6,678	12/15/2022	1/10/2022																	
AT031	RFI-164 - Emergency Lighting Panel Fuses (Phase 1 & 2)	045	24-045	\$5,868	6/8/2021	6/25/2021																	
AT032	Factory glaze door lites ILO of field install	013	24-013	\$6,197	11/10/2021	11/30/2021									6,197								
TBD	RFI 146 - Change E Lighting panel to fuse	045	24-045	Void	VOID																		
AT033	Locker material esclation due to COVID-19 Impact	014	24-014	\$44,336	7/20/2021	8/2/2021										44,336							
AT034	Fund Temp Power - May/June 2021	001	24-001		VOID																		
AT035	Covid GR Impact Costs - June 2021	014	24-014	\$11,359	9/15/2021	9/16/2021										11,359							
AT036	RFI 330 - Woodshop 227 Transformer relocation and d	045	24-045	\$4,118	7/20/2021	10/7/2021																	
AT037	Premium time - partial May and June 2021	013	24-013	\$24,639	8/3/2021	8/3/2021									24,639								
AT038	ASI 27 - Ph 2/3 steel changes	042	24-039	\$9,500	10/28/2021	2/7/2022																	
AT039	RFI 190 - Fixed cord drop in Woodshop	045	24-045	\$2,348	7/20/2021	8/10/2021																	
AT040	CCD 14 & RFI 196.1 - Main Elec. Rm layout	045	24-045	\$71,121	7/12/2021	7/13/2021																	
AT041	Leveling existing slab in cafeteria corridor (from floor abatement)	015	24-017	\$33,444	7/14/2021	8/10/2021											33,444						
AT042	Seal slab & replace base at abated floor areas - swing space	015	24-017	\$10,000	potential												10,000						
AT043	Covid GR Impact Costs - July 2021	014	24-014	\$11,821	11/5/2021	11/30/2021										11,821							
AT044	Premium Time - July 2021	013	24-013	\$45,618	9/3/2021	9/16/2021									45,618								
AT045	Temp AVB at Stair 2 Bldg for future connection	015	24-017	\$4,593	9/3/2021	9/16/2021											4,593						
AT046	Rental & labor for Dehumidifers	0.0018	24-008	\$0	VOID								0										
AT047	Covid GR Impact Costs - August 2021	014	24-014	\$15,673	11/5/2021	11/30/2021										15,673							
AT048	Fund Temp Power - July 2021	001	24-001	\$67,195	6/25/2022	7/19/2022		67,195															
AT049	Premium Time - Aug 2021	013	24-013	\$51,014	10/12/2021	10/15/2021									51,014								
AT050	Misc patch and repair existing swing space	015	24-015 24-017	\$13,168	10/12/2021	10/15/2021											13,168						
AT051	Avid - fire watch at addtl catwak	043	24-042	\$1,160	6/30/2022																	9/8/2023	

							CCC Cost Code	24-001	24-002	24-003	24-006	24-007	24-008	24-011	24-013	24-014	24-015-021	24-032	24-033	24-034	24-035	24-036	24-037
							Allow #	001	002	003	006	007	008	011	013	014	015	032	033	034	035	036	037
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Date Issued	Date Approved by Owner	Total Balance Remaining	Temp electric consumption in GR	Temp heating systems and rentals	Temp heating fuel for construction	Project ID signage	Police detail	Humidity control	Temp IT/DPW Project IT Coordination	Acceleration/S elective Over Time	Covid GR Impact Costs	Phasing Contingency	Create clean corridor	Water treatment - allowance	Foundation and obstruction	Sewer by-pass - phase 2	Repair engineer barrier at	Street sweeping - phase 2-3
AT052	Covid GR Impact Costs - Sept 2021	014	24-014	\$21,286	11/5/2021	11/30/2021										21,286							
AT053	Premium Time - Sept 2021	013	24-013	\$61,068	10/28/2021	11/30/2021									61,068								
AT054	Temp infill borrowed lights in Phasing wall C3-13	015	24-015	\$1,943	8/11/2022	9/21/2022											1,943						
AT055	Premium Time - Oct 2021	013	24-013	\$69,354	12/6/2021	1/31/2022									69,354								
AT056	F&I bike racks to accommodate phasing per Owner	015	24-015		12/6/2021	Void											0						
AT057	CCD 24 Fiber coonection to Fusco due to DPW Data Center schedule. CR152	011	24-011	\$24,195	10/5/2021	10/7/2021								24,195									
AT058	ASI 048 Auditorium concrete slab revs and step dim. \$495	Pre-GMP CO	24-025	pre-GMP CO	10/13/2021	10/15/2021																	
AT059	ASI 049 Revisions to window shade	045	24-045	-\$8,739	10/6/2021	11/15/2021																	
AT060	ASI 037 - Various Steel Revisions to Ph 2 and 3. (CR112R1)	042	24-039	\$82,105	10/6/2021	10/7/2021																	
AT061	ASI 083 - Structural Steel Revisons Bldg B (CR165)	042	24-039	\$10,715	10/6/2021	10/7/2021																	
AT062	CCD-019 & CR158 - RFI-381 Dlab Fixture Revs. (CR158)	045	24-045	\$15,745	10/7/2021	10/12/2021																	
AT063	CCD 19 - Light fixture revision for Buildings and Site	045	24-045	\$45,171	10/7/2021	10/12/2021																	
AT064	Covid GR Impact Costs - October 2021	014	24-014	\$25,595	1/14/2022	1/31/2022										25,595							
AT065	Premium Time - Nov 2021	013	24-013	\$74,714	1/14/2022	1/31/2022									74,714								
AT066	Air freight resilient flooring for Ph 1. Forbo had delay in manufacturing due to COVID	014	24-014	\$25,525	11/8/2021	1/4/2022										25,525							
AT067	CCD 19 - Panel production supply change impacts - DH2D and MHMOS3E	014	24-014	\$50,222	11/30/2021	1/31/2022										50,222							
AT067.1	Substitute (4) Fused Panels with Legacy Style Circuit Breaker Panels due to Supply Chain Ph. 1	014	24-014	\$41,922	6/30/2022	1/31/2022										41,922							
AT068	ASI 116 - Electrical connection to kitchens (CR190)	045	24-045	\$3,816	11/3/2022	1/31/2022																	
AT069	Added DAS at Ceiling of 5th Floor Bldg. D (CR182)	045	24-045	\$5,699	11/9/2021	11/12/2021																	
AT070	Change (3) P9 Sinks to be drop ins as they are to be set in plastic lam countertops (CR208)	015	24-015	\$872	11/9/2021	11/12/2021											872						
AT071	Ameresco PV circuit breaker assembly. (CR192)	045	24-045	\$12,118	11/9/2021	11/12/2021																	
AT072	Covid GR Impact Costs - November 2021	014	24-014	\$20,617	1/14/2022	1/31/2022										20,617							
AT073	IT Service for Eversource Shutdown 11/18/21- Vault Exploratory CR195	011 '015	24-011 24-021	\$16,329	11/15/2021	11/29/2021								1,560			14,769						
AT074	ASI 061 and 61.1 - (CR133) Various steel changes in PH 2 and 3	042	24-039	\$50,109	11/28/2021	12/2/2021																	
AT075	RFI 482 - Glycol Branch Bldg E Elec.	045	24-045	\$1,890	11/29/2021	12/2/2021																	
AT076	Premium Time - Dec 2021 & Jan 2022	013	24-013	\$68,654	2/16/2022	3/15/2022									68,654								
AT077	Covid GR Impact Costs - December 2021	014	24-014	\$27,479	4/15/2022	5/3/2022										27,479							
AT078	ASI 115 - Power connections for range hoods - Bldgs A, B, &C	045	24-045	\$2,007	12/2/2021	12/2/2021																	
AT079	ASI-075 - Rev to Elevator Call Station Provisions for Phasing (CR156.1)	015	24-017 24-021	\$5,215	12/14/2021	1/11/2022											5,215						
AT080	Temp boiler steam and condensate pipe. Added by-pass valve for logistic. (CR199)	015	24-020	\$18,090	12/14/2021	1/11/2022											18,090						
AT081	Add railing members for Temp Lib. (CR213)	015	24-015	\$2,784	12/14/2021	1/11/2022											2,784						
AT082	Relocate Fusco AC Rm 402 & Add (2) Light Switch Rm 302, Add Recep 332 (CR255)	015	24-017	\$3,773	12/14/2021	1/11/2022											3,773						
AT083	Modify Downs Storefront to be Double Egress Door - Ph. 2	015	24-017	\$17,500	1/18/2022	1/24/2022											17,500						
AT084	CCD-015, 015.1 - Telecom Only	045	24-045	\$40,148	1/21/2022	6/8/2022																	
AT084.1	CCD-015, 015.1 - Electrical Revisions - PV Elec. Only	045	24-045	\$136,942	1/21/2022	3/15/2022																	
AT085	0.1, 020, Sub. 260000-057.0: PD_Panelboards & Check Metering Revisions Sub (CR149)	045	24-045	\$16,754	12/20/2021	1/31/2022																	
AT086	ASI 095 - Temp LABBB & REACH rev	015	24-017	-\$1,937	12/23/2022	2/7/2022											(1,937)						
AT087	CCD034 Mortar repair to Fusco granit steps	015	24-017	\$6,705	1/5/2022	1/31/2022											6,705						
AT088	ASI 106 - Steel & Concrete Revisions Bldg. B U1 & L2	042	24-039	-\$2,057	1/6/2022	1/31/2022																	
AT089	ASI 141 & 148 Revs to Column Location & Roof Edge Plate Dims - Bldg. B & C (CR238)	042	24-039	Void	1/6/2022	Void (back to CR238)																	
AT090	RFI 278 - Braced frame conn loads Bldg A, B, C	042	24-039	\$1,730	1/7/2022	1/25/2021																	
AT091	Advanced Air Balancing for Affidavit Phase 1	014	24-014	\$8,250	potential											8,250							
AT092	Phase 2 Electrical Switchgear Storage due to supply ch	014	24-014	\$27,665	6/30/2022											27,665							
AT093	Furnish Red FA Strobes ILO White due to Supply Chair	014	24-014	\$23,191	3/15/2022	4/29/2022										23,191							
AT094	Winter Conditions - Jan 2022	040	24-009	\$81,260	8/11/2022	8/8/2022																	
AT095	Covid GR Impact Costs - Jan and Feb 2022	014	24-014	\$29,882	4/15/2022	5/3/2022										29,882							
AT096	Premium Time - Jan 2022 & Feb 2022	013	24-013	\$40,048	4/19/2022	8/30/2022									40,048								

								CCC Cost Code	24-001	24-002	24-003	24-006	24-007	24-008	24-011	24-013	24-014	24-015-021	24-032	24-033	24-034	24-035	24-036	24-037
								Allow #	001	002	003	006	007	008	011	013	014	015	032	033	034	035	036	037
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Date Issued	Date Approved by Owner	Total Balance Remaining		Temp electric consumption in GR	Temp heating systems and rentals	Temp heating fuel for construction	Project ID signage	Police detail	Humidity control	Temp IT/DPW Project IT Coordination	Acceleration/S elective Over Time	Covid GR Impact Costs	Phasing Contingency	Create clean corridor	Water treatment - allowance	Foundation and obstruction	Sewer by-pass - phase 2	Repair engineer barrier at	Street sweeping - phase 2-3
AT097	PJK Crane Pick Temp Boiler into Courtyard due to Size Restrictions at Gate	015	24-019 24-020	\$41,032	1/24/2022	1/21/2022												41,032						
AT098	Covid Impact - Fire Pmp Retest with generator	014	24-014	\$5,458	1/27/2022	3/24/2022											5,458							
AT099	Temp Culinary - Remove/Reinstall Casework Doors for electrical assess (CR223)	015	24-017	\$2,271	2/2/2022	2/3/2022												2,271						
AT100	ASI 136 - Pavement Markings for Temp Lot (CR232)	015	24-017	\$3,564	2/2/2022	3/15/2022												3,564						
AT101	CCD 019.1 - Various lighting Rev Phs 1, 2, 3 (CR158.1)	045	24-045	-\$7,306	2/15/2022	4/21/2022																		
AT102	Ph 2 -Covered walkway and Temp boiler protection.	047	24-042	\$122,227	2/25/2022	3/29/2022																		
AT102.1	Ph 2 -Temp Pedestrian walkways	047	24-042	\$54,036	9/15/2022	10/27/2022																		
AT103	VOID																							
AT104	Temp Boiler Fuel - March '22	039	24-041	\$24,219	9/16/2022	10/25/2022																		
AT105	Police Detail - Feb 2022	007	24-007	\$1,521	9/16/2022	9/21/2022							1,521											
AT106	Changes to temp door/hardware/frame for phasing requirements	015	24-017	\$8,886	3/24/2022													8,886						
AT107	Pavement Markings Lower Lower Lot (Phase 2)_ EST	047	24-043	\$3,136	9/16/2022	9/21/2022																		
AT108	Piped Temp Water Line Fusco to Existing Boiler_T&M_EST	015	24-017	\$2,393	5/10/2022	6/8/2022												2,393						
AT109	RFI 482.1 Relocate Glycol branch Bldge D HRU-4	045	24-045	\$2,129	3/30/2022	3/31/2022																		
AT110	CCD 033 - Relocate Electrical Recept. to Face of Base Cabinet at Science CRs ADA Sink	045	24-045	\$6,824	4/7/2022	6/8/2022																		
AT111	Premium Time - March 2022	013	24-013	\$68,081	7/19/2022	7/19/2022										68,081								
AT112	ASI-206 - Provide Separate Metering for EV Charger Panel - Phase 1 (CR338)	045	24-045	\$5,272	4/12/2022	4/14/2022																		
TBD	CCD-036 - FUSCO Temp Library Revisions_EST (CR 315)	015	24-017	\$16,649	7/18/2022	7/19/2022												16,649						
AT113	CCD-035 Provide EV Charging Stations (CR 279)	045	24-045	\$39,178	4/13/2022	4/14/2022																		
AT114	RFI-346.1 - Utilize Existing Water Pipe for Temp Service in Fusco_EST	015	24-019	\$1,484	9/16/2022	9/21/2022												1,484						
AT115	Additional Containments Installed for Added Protection for Building Separation	015	24-015	\$25,505	7/27/2022	8/30/2022												25,505						
AT116	Temp Kitchen Blue Gym Extra Sink Plumbing_T&M_Sub. 040722_CR310	015	24-019	\$2,831	5/3/2022	5/3/2022												2,831						
AT117	CCD-036 - FUSCO Temp Library Revisions_CR315	015	24-019	\$16,649	5/3/2022	6/8/2022												16,649						
AT118	ASI-237 FA connection for DH stair 2 D2	015	24-019	\$4,318	5/10/2022	6/8/2022												4,318						
AT119	Covid Impact - Provisions for Utilizing Perm. Heat via Temp Power Source due to Supply Chain-Ph.1, (CR243.1)	014	24-014	\$100,970	5/27/2022	6/8/2022											100,970							
AT120	ASI-084 & 093 - Revised Diffuser Layout & Smoke Damper Deletion-Bldg. E (CR150)	045	24-045	-\$4,792	5/26/2022	6/8/2022																		
ASI121	ASI-208 - Revision to Dunnage at BLDG B (PH 2) Roof_(CR341)	042	24-039	-\$1,471	5/26/2022	6/8/2022																		
ASI122	ASI-193 - Misc. Revisions to Steel at Roof Bldg. B_(CR325)	042	24-039	-\$1,818	5/26/2022	6/8/2022																		
AT123	ASI 189 - Revs to steel & concrete slab dims Bldg A, B, & C (CR218)	042	24-039	-\$2,361	5/26/2022	5/31/2022																		
AT124	Elevator operator for IT equipment install (CR333)	011	24-011	\$13,018	5/26/2022	5/31/2022									13,018									
AT125	RFI-631_F&I 277V Feed in Kiln Room 221B. (CR364)	045	24-045	\$4,499	5/27/2022	5/31/2022																		
AT126	Temp disconnect of duress alarm button in Rm. 532A (CR359)	015	24-019	\$1,515	5/31/2022	6/8/2022												1,515						
AT127	ASI 095.1 - Revision to Temp LABBB Quiet Room (Downs BLDG;PH 1)_CR343	015	24-017	\$3,519	6/2/2022													3,519						
AT128	Out of Sequence install Aud. Light PC34ATRD, RB16T, RB17T, RB17TRD_(CR230)	045	24-045	\$18,166	6/6/2022	6/8/2022																		
AT129	ASI-197 - Revisions to Band & Chorus Rooms Baffle & PC16 fixtures_(CR332)	045	24-045	\$4,398	6/6/2022	6/8/2022																		
AT130	Collumb Building Remove/Dispose Abandoned Items_(CR362)	011	24-011	\$73,646	6/6/2022	7/5/2022									73,646									
AT131	RFI-543.1 - PC22 & PC14 Elevation Changes per HMFH in Auditorium_(CR293)	045	24-045	\$3,234	6/6/2022	6/8/2022																		
AT132	ASI-205 - RFI-607 - Additional Electrical for Ice Makers and Dryer Outlet Ph. 1 (CR334)	045	24-045	\$10,335	6/7/2022	6/8/2022																		
AT133	RFI-601 - Branch Box BS-1-E-3 Missing Electrical Circuitry - Bldg. E (CR344)	045	24-045	\$2,743	6/7/2022	6/8/2022																		
AT135	F&I Security Bollards_(CR299)	045	24-045	\$5,403	6/23/2022	8/8/2022																		
AT136	ASI-099 - Interior Elevations Chorus Room, Production Lab, Band Classroom_(CR201)	045	24-045	-\$1,302	6/30/2022	7/1/2022																	9/8/2023	

							CCC Cost Code	24-001	24-002	24-003	24-006	24-007	24-008	24-011	24-013	24-014	24-015-021	24-032	24-033	24-034	24-035	24-036	24-037
							Allow #	001	002	003	006	007	008	011	013	014	015	032	033	034	035	036	037
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Date Issued	Date Approved by Owner	Total Balance Remaining	Temp electric consumption in GR	Temp heating systems and rentals	Temp heating fuel for construction	Project ID signage	Police detail	Humidity control	Temp IT/DPW Project IT Coordination	Acceleration/S elective Over Time	Covid GR Impact Costs	Phasing Contingency	Create clean corridor	Water treatment - allowance	Foundation and obstruction	Sewer by-pass - phase 2	Repair engineer barrier at	Street sweeping - phase 2-3
AT137	ASI-216 - Dimension Revisions to Slab Edge Plan (Phase 2; BLDG B+C) CR357	042	24-039	\$957	6/30/2022	7/19/2022																	
AT138	ASI-219 - Revision to Pre-K Light Locations & Quantities (PH 2; BLDG C) CR367	045	24-045	\$13,277	6/30/2022	8/8/2022																	
AT139	Covid Impact - F&I Laptop for theater lighting controls	014	24-014	\$1,724	7/7/2022	10/27/2022										1,724							
AT140	Premium Time - May - July 2022	013	24-013	\$30,124	9/19/2022	10/25/2022									30,124								
AT141	Dumpster for existing school trashout CR373	015	24-017	\$9,880	7/20/2022	9/21/2022											9,880						
AT142	CCD 042 Gas piping for tem boilers (CR391)	015	24-017	59,026	9/12/2022	9/20/2022											59,026						
AT143	ASI-134.1 - 134 - Structural Steel & Fndtn Rebar Revs Bldg. B CR234	042	24-039	\$11,822	7/21/2022	9/28/2022																	
AT144	ASI-152.1 - 152 - Various Slab Edge Depression Revs & Steel Revs Ph. 2-3 CR250	042	24-039	\$6,850	7/21/2022	9/21/2022																	
AT145	ASI-158 - Steel Revs & Glass Railing Support Revs - Bldg. B&C Sub. CR256	042	24-039	\$3,406	7/21/2022	9/21/2022																	
AT146	Replace Rm 239 Speaker grill Bldg D	045	24-045	\$466	9/19/2022	10/25/2023																	
AT147	ASI-225 - Rev. to Loading Dock Area Control/Expansion Joint (PH 2) (CR376)		24-038	\$2,059	8/1/2022	9/21/2022																	
AT148	Additional Services at Security for Doors (CR442)	045	24-045	\$1,411	8/3/2022	9/21/2022																	
AT149	Ph 1 Plant storage	015	24-016	\$5,429	10/25/2022	12/14/2022											5,429						
AT150	Premium Time - August 2022	013	24-013	\$63,008	10/13/2022	11/30/2022									63,008								
AT151	ASI-261 - Power Connections for ACP within Data IDF Closets (PH 2-3)	045	24-045	\$5,186	8/24/2022	8/25/2022																	
AT152	RFI-581 - Missing Electrical Circuitry for Access Control Panels T&M (CR314)	045	24-045	\$3,363	8/25/2022	8/25/2022																	
AT153	ASI-111.1 - Revision to Accordion Fire Door Detail A9.7.3 (PH 2) (CR432)	043	24-042	\$19,730	8/25/2022	9/21/2022																	
AT154	ASI 154 Various Revs to Bldg A, B, C, &E Foundations & Slab Depressions (CR261)	041	24-038	\$85,043	9/6/2022	9/1/2022																	
AT155R1	CCD-044 - Various Miscellaneous Metal Revisions (PH1-PH3) (CR401)	043	24-042	\$46,007	11/9/2022	11/10/2022																	
AT156	Premium Time - September 2022	013	24-013	\$67,189	11/28/2022	11/30/2022									67,189								
AT157	CCD-029 - ASI-150 - Final Room Numbers/Names Revisions - All Phases CR242	045	24-045	\$14,734	9/16/2022	9/21/2022																	
AT158	Barker Various Added Rebar Ph 1 Site & Ph 2. See EBP Allowances and Holds \$20,070		24-025 24-023 24-024	See EBP Allow and HOLDS	5/11/2023	7/24/2023																	
AT159	Eversource costs for Temporary power usage through August 2022	1	24-001 24-040	\$14,147	9/21/2022	9/22/2022		10,647															
AT160	ASI-277 - Revision to Stair 1 Structural Connections (PH 2) CR475	043	24-042	\$2,325	9/12/2022	9/21/2022																	
AT161	ASI-282 Revision to Slab Edge at Exterior Curtainwall Openings (PH 2 + 3) CR484	042	24-039	\$572	9/12/2022	9/21/2022																	
AT162	ASI-278 - Revision to 2nd Floor Framing Plan (PH 2) CR476	042	24-039	\$567	9/23/2022	9/29/2022																	
TBD	ASI 248 Furnish and install posts for added traffic signs at Mass Ave CR438	045	24-015	\$2,740	potential												2,740						
AT163	Establish OT/Acceleration Allowance [\$913,348] (Transfer \$300K from CT)	various	various	(\$459,361)	10/27/2022	12/15/2022							100,000	87,581	(913,348)	16,406		100,000					50,000
AT164	RFI-592.1 - 592 -Electrical only - Dust Collector compressor insufficient clearance (CR330)	045	24-045	\$9,622	10/12/2022	11/30/2022																	
AT165R1	F&I Trash Chute and loading bay system Ph 2	046	24-046	\$92,130	5/2/2023	5/18/2023																	
AT166	Premium Time - October 2022	013	24-013	\$61,177	12/23/2023	1/24/2023									61,177								
AT167	WJGEI Install Banner Flags on Light Poles_T&M_Sub. 092722 CR509	045	24-045	\$1,332	10/18/2022	10/21/2022																	
AT168	Troubleshoot Elevator AOR System_Ph1 T&M	045	24-045	\$440	10/20/2022	10/25/2022																	
AT169	Eversource Temp Power Sept thru Dec 2022	038	24-040	\$8,319	1/23/2023	1/25/2023																	
AT170	F&I Flashing Pedestrian Crossing Sign T&M	047	24-043	\$380	11/28/2022	11/30/2022																	
AT171	RFI-623 - Added Web Penetrations Unit Rate_Bldg. C	042	24-039	\$275	10/25/2022	12/14/2022																	
AT172	F&I Jersey Barriers Mass Ave for Sidewalk Replacment	047	24-043	\$15,529	2/16/2023	2/17/2023																	
AT173	ASI-284 - Revise IT Receptacles from Switched to Always On (Ph. 1) CR491	045	24-045	\$794	11/2/2022	11/22/2022																	
AT174	ASI-248 - Added Traffic Signs at Mass Ave - F&I Posts CR438	015	24-015	\$2,525	11/2/2022	11/22/2022											2,525						
AT175	CCD-037 - Fire Alarm Devices (PH 2 + 3) CR492	045	24-045	-\$15,350	11/2/2022	11/22/2022																	

							CCC Cost Code	24-001	24-002	24-003	24-006	24-007	24-008	24-011	24-013	24-014	24-015-021	24-032	24-033	24-034	24-035	24-036	24-037
							Allow #	001	002	003	006	007	008	011	013	014	015	032	033	034	035	036	037
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Date Issued	Date Approved by Owner	Total Balance Remaining	Temp electric consumption in GR	Temp heating systems and rentals	Temp heating fuel for construction	Project ID signage	Police detail	Humidity control	Temp IT/DPW Project IT Coordination	Acceleration/S elective Over Time	Covid GR Impact Costs	Phasing Contingency	Create clean corridor	Water treatment - allowance	Foundation and obstruction	Sewer by-pass - phase 2	Repair engineer barrier at	Street sweeping - phase 2-3
AT176	ASI-283 - Add Chain Crash Stop to Main Entry Doors (Ph. 1-3) CR501	015	24-015	\$1,488	11/2/2022	11/22/2022											1,488						
AT177	RFI-689 - F&I Dedicated 120V Feed for Fire Shutter CR515	045	24-045	\$576	11/2/2022	11/22/2022																	
AT178	WJGEI - Short Circuit Study Revisions and breaker changes Ph.1 CR507	045	24-045	\$28,072	11/4/2022	11/4/2022																	
AT179	ASI-235.2, .1, 0 - Various Steel-Concrete Revisions (BLDG A - PH 3) (CR394)		24-038	\$5,731	11/8/2022	11/22/2022																	
AT180	RFI-688 Door TF-OH1 (Toilet Facility) Electrical Power Requirements Ph 3 (CR537)	045	24-045	\$1,964	11/14/2022	11/22/2022																	
AT181	Premium Time - Nov 2022	013	24-013	\$24,918	2/2/2023	2/16/2023									24,918								
AT182	Temp Heat - October & November 2022		24-002 24-009 24-041	\$86,242	1/24/2023	4/12/2023		61,317															
AT183	RFI-656 - Electrical Required for Added Branch Boxes (Building C) CR520	045	24-045	\$4,085	11/30/2022	11/30/2022																	
AT184	Premium Time - Dec 2022	013	24-013	\$10,129	2/7/2023	2/16/2023									10,129								
AT185	Premium Time - Jan 2023	013	24-013	\$45,197	3/27/2023	4/4/2023									45,197								
AT186	Temp Boiler Fuel - December '22	039	24-041	\$64,186	1/24/2023	2/16/2023																	
AT187	CCD-025.1, 025 - Electrical Connections to Irrigation Systems Clarifications Ph 1 Only CR179A	045	24-045	\$3,496	1/24/2023	2/16/2023																	
AT188	Additional Rebar MEP Coordination - Ph. 2	042	24-039	\$25,170	2/2/2023																		
AT189	ASI 219.1 - Revs to Pre-K lights	045	24-045	\$1,689	2/7/2023	4/12/2023																	
AT190	Temp Boiler Fuel - Jan '23	039	24-041	\$38,606	2/22/2023	3/2/2023																	
AT191	Eversource Temp Power Jan - March 2023	038	24-040	\$16,048	5/11/2023	5/19/2023																	
AT192	Premium Time - Feb 2023	013	24-013	\$80,804	3/27/2023	4/4/2023									80,804								
AT193	Temp Heat Fuel - February 2023 CR567.4			potential																			
AT194	Premium Time - March 2023	013	24-013	\$130,716	5/2/2023										130,716								
AT195	Premium Time - April 2023	013	24-013	\$176,683	6/15/2023										176,683								
AT196	RFI-756 - Cut Shelf 5th Floor Window Mullions T&M	043	24-042	\$7,870	5/11/2023	5/19/2023																	
AT197	Temp Door for Ph. 1/Ph.2 Construction Access & Electrical Rooms	015	24-017	\$11,571	5/11/2023	7/18/2023											11,571						
AT198	Install Elevator Clips - PH 2 T&M EST	043	24-042	\$5,750	8/25/2023																		
AT199	RFI 692 - HVAC vs Elec Discrepancy for rooftop equip	045	24-045	\$3,665	5/1/2023																		
AT200	Premium Time - May 2023	013	24-013	\$105,042	6/30/2023	7/18/2023									105,042								
AT201	OHP at Bldg B Construction entrance		24-046	\$10,977	potential																		
AT202	ASI 337 and 339 - Rev to Mech and SOO (CR594 & CR603)	015	24-019	\$191	5/11/2023	7/18/2023											191						
AT203	RFI-725 - B Kitchen Electrical Relocation (CR595). Total is \$11,456.14 - see Contingency for balance.	045	24-045	\$5,728	5/31/2023	6/1/2023																	
AT204	Tree at Main Generator West Parking Lot Removal	015	24-017	\$3,520	5/11/2023												3,520						
AT205	Warranty #51-008 Customer Damaged HDMI Encoder Floorbox Plate Sub	045	24-045	\$3,728	5/31/2023	6/8/2023																	
AT206	Premium Time - June & July 2023	013	24-013	\$226,035	8/10/2023	8/29/2023									226,035								
AT207	Temp power - June 2023		24-040	\$1,461	potential																		
AT208	Police detail and permit		24-007	\$4,228	potential							4,228											
AT209	Provide future food services Equip 69F, 70F, 74, 75, 76	044	24-044	\$42,496	5/31/2023	6/8/2023																	
AT212	Add misc. metals supports Ph 2	043	24-042	\$11,000	potential																		
AT213	Additional Rebar MEP Coordination - Ph. 2	042	24-039	\$1,089	7/31/2023																		
AT214	RFI 786 - Kitchen MAU-1 Missing Condensate Pipe (CR643)	044	24-044	\$2,954	8/7/2023																		
AT215	Locker Pad Light Lense Replacements (Bldg D, 2nd fl)	045	24-045	\$3,800	8/7/2023	8/7/2023																	
AT216	Temp power kitchen panels	045	24-045	\$12,265	potential																		
AT218	ASI-355 - Addtl of Elect Connections to Mech Terminal units (CR640)	045	24-045	\$24,046	8/21/2023	jim																	
AT219	Patch CMU in Ph 3 Enabling Locker Rooms	015	24-017	\$6,000	potential												6,000						
AT220	RFI 792 - Telecom cable length to S108.A (CR642)	015	24-015	\$2,291	8/28/2023												2,291						
AT221	RFI 535.1 BMS Panel Missing Network Conn. Ph 2 (CR666)	015	24-015	\$856	8/28/2023												856						
AT222	Additional Security card readers coordination (CR487.1)	015	24-015	\$2,378	8/28/2023												2,378						
AT223	National Grid Gas Relocation (ph 3) ; \$2,232	within GMP	24-004		8/27/2023	9/7/2023																	
AT224	Eversource cover lines (WO13855917); \$15,011	within GMP	24-004		8/27/2023	9/7/2023																	

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Arlington High School Project
Allowance Log

					24-040	24-041	24-009	24-038	24-039	24-042	24-044	24-045	24-046	24-043	24-047
					038	039	040	041	042	043	044	045	046	047	048
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Temp electric consumption - additional	Temp heating fuel for construction	Winter conditions	Additional concrete	Additional steel	Additional misc metals	Additional kichen equipment	Additional electrical	Hoisting not assigned to sub	Pedestrian protection and access	Vapor migitagion fans if
.					250,000	165,000	150,000	100,000	300,000	200,000	103,000	750,000	300,000	220,000	175,000
.					29,327	141,814	150,000	92,833	197,160	93,842	45,450	641,113	203,107	195,308	0
.				0	220,673	23,186	(0)	7,167	102,840	106,158	57,550	108,887	96,894	24,692	175,000
				\$4,423,367											
Pre-GMP	Project ID signage	006		\$721											
AT004	Eversource Invoice for Temp Service	001	24-001	\$33,332											
AT005	Trailer Temp power usage - Sept 2020 - Dec 2020	001	24-001	\$15,751											
AT006	VOID														
AT007	Eversource Invoice for Temp Service for Trailers	001	24-001	\$17,885											
AT008	VOID														
AT009	Temporary heating systems and rentals	002	24-002	\$26,290											
AT010	Covid GR Impact Costs	014	24-014	\$6,942											
CR057	Covid GR Impact Costs - Nov 2020 (Taken out of allowance, Consigli cannot re-assign as a AT once approved in their system)	014	24-014	\$6,074											
AT011	Covid GR Impact Costs - Dec 2020	014	24-014	\$4,914											
AT012	Covid GR Impact Costs - Jan 2021	014	24-014	\$7,861											
AT013	Winter Conditions - January 2021	040	24-009	\$22,458			22,458								
AT014	Fund Temp Power - January - March '21	001	24-001	\$30,334											
AT015	Fund Project Signage - May 21	006 '014	24-006 24-014	\$15,796											
AT016	Temp Heat Equipment Rental and Removal - January -	002	24-002	\$37,393											
AT017	Assignment of CCC Cost Code	n/a	n/a	n/a	x	x				x	x	x	x	x	x
AT019	Covid GR Impact Costs - Feb 2021	014	24-014	\$7,269											
AT020	Fuel for temp heat - March 2021	003	24-003	\$110,041											
AT021	Winter Conditions - Feb and March 2021	040	24-009	\$36,162			36,162								
AT022	Covid GR Impact Costs - March 2021	014	24-014	\$16,555											
AT023	Premium Time - Feb and March 2021	013	24-013	\$38,241											
AT024	Premium Time - April 2021	013	24-013	\$31,438											
AT025	Covid GR Impact Costs - April 2021	014	24-014	\$20,407											
AT026R	RFI 314 - Primary Service Feeders change - to minimize shutdown for Phase 2	045	24-045	\$73,546								73,546			
AT027	Fusco cooling East locations - electrical	015	24-021	49,410											
AT027	Fusco cooling East locations - HVAC	015	24-020	29,104											
AT028	Covid GR Impact Costs - May 2021	014	24-014	\$12,022											
AT029	Fund Temp Power - April 2021	001	24-001	\$24,857											
AT030	ASI 050 - Elec Cost for Rm. 332 power & data rev.	45	24-045	\$2,073								2,073			
AT030.1	ASI 050 - Elec Cost for Rm. 332 power & data rev. (credit)	45	24-045	-\$6,678								(6,678)			
AT031	RFI-164 - Emergency Lighting Panel Fuses (Phase 1 & 2)	045	24-045	\$5,868								5,868			
AT032	Factory glaze door lites ILO of field install	013	24-013	\$6,197											
TBD	RFI 146 - Change E Lighting panel to fuse	045	24-045	Void								Void			
AT033	Locker material esclation due to COVID-19 Impact	014	24-014	\$44,336											
AT034	Fund Temp Power - May/June 2021	001	24-001												
AT035	Covid GR Impact Costs - June 2021	014	24-014	\$11,359											
AT036	RFI 330 - Woodshop 227 Transformer relocation and d	045	24-045	\$4,118								4,118			
AT037	Premium time - partial May and June 2021	013	24-013	\$24,639											
AT038	ASI 27 - Ph 2/3 steel changes	042	24-039	\$9,500					9,500						
AT039	RFI 190 - Fixed cord drop in Woodshop	045	24-045	\$2,348								2,348			
AT040	CCD 14 & RFI 196.1 - Main Elec. Rm layout	045	24-045	\$71,121								71,121			
AT041	Leveling existing slab in cafeteria corridor (from floor abatement)	015	24-017	\$33,444											
AT042	Seal slab & replace base at abated floor areas - swing space	015	24-017	\$10,000											
AT043	Covid GR Impact Costs - July 2021	014	24-014	\$11,821											
AT044	Premium Time - July 2021	013	24-013	\$45,618											
AT045	Temp AVB at Stair 2 Bldg for future connection	015	24-017	\$4,593											
AT046	Rental & labor for Dehumidifers	0.0018	24-008	\$0											
AT047	Covid GR Impact Costs - August 2021	014	24-014	\$15,673											
AT048	Fund Temp Power - July 2021	001	24-001	\$67,195											
AT049	Premium Time - Aug 2021	013	24-013	\$51,014											
AT050	Misc patch and repair existing swing space	015	24-015 24-017	\$13,168											
AT051	Avid - fire watch at addtl catwak	043	24-042	\$1,160						1,160					

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Arlington High School Project
Allowance Log

					24-040	24-041	24-009	24-038	24-039	24-042	24-044	24-045	24-046	24-043	24-047
					038	039	040	041	042	043	044	045	046	047	048
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Temp electric consumption - additional	Temp heating fuel for construction	Winter conditions	Additional concrete	Additional steel	Additional misc metals	Additional kichen equipment	Additional electrical	Hoisting not assigned to sub	Pedestrian protection and access	Vapor migitagion fans if
AT052	Covid GR Impact Costs - Sept 2021	014	24-014	\$21,286											
AT053	Premium Time - Sept 2021	013	24-013	\$61,068											
AT054	Temp infill borrowed lights in Phasing wall C3-13	015	24-015	\$1,943											
AT055	Premium Time - Oct 2021	013	24-013	\$69,354											
AT056	F&I bike racks to accommodate phasing per Owner	015	24-015												
AT057	CCD 24 Fiber coonection to Fusco due to DPW Data Center schedule. CR152	011	24-011	\$24,195											
AT058	ASI 048 Auditorium concrete slab revs and step dim. \$495	Pre-GMP CO	24-025	pre-GMP CO											
AT059	ASI 049 Revisions to window shade	045	24-045	-\$8,739								(8,739)			
AT060	ASI 037 - Various Steel Revisions to Ph 2 and 3. (CR112R1)	042	24-039	\$82,105					82,105						
AT061	ASI 083 - Structural Steel Revisons Bldg B (CR165)	042	24-039	\$10,715					10,715						
AT062	CCD-019 & CR158 - RFI-381 Dlab Fixture Revs. (CR158)	045	24-045	\$15,745								15,745			
AT063	CCD 19 - Light fixture revision for Buildings and Site	045	24-045	\$45,171								45,171			
AT064	Covid GR Impact Costs - October 2021	014	24-014	\$25,595											
AT065	Premium Time - Nov 2021	013	24-013	\$74,714											
AT066	Air freight resiliant flooring for Ph 1. Forbo had delay in manufacturing due to COVID	014	24-014	\$25,525											
AT067	CCD 19 - Panel production supply change impacts - DH2D and MHMOS3E	014	24-014	\$50,222											
AT067.1	Substitute (4) Fused Panels with Legacy Style Circuit Breaker Panels due to Supply Chain Ph. 1	014	24-014	\$41,922											
AT068	ASI 116 - Electrical connection to kitchens (CR190)	045	24-045	\$3,816								3,816			
AT069	Added DAS at Ceiling of 5th Floor Bldg. D (CR182)	045	24-045	\$5,699								5,699			
AT070	Change (3) P9 Sinks to be drop ins as they are to be set in plastic lam countertops (CR208)	015	24-015	\$872											
AT071	Ameresco PV circuit breaker assembly. (CR192)	045	24-045	\$12,118								12,118			
AT072	Covid GR Impact Costs - November 2021	014	24-014	\$20,617											
AT073	IT Service for Eversource Shutdown 11/18/21- Vault Exploratory CR195	011 '015	24-011 24-021	\$16,329											
AT074	ASI 061 and 61.1 - (CR133) Various steel changes in PH 2 and 3	042	24-039	\$50,109					50,109						
AT075	RFI 482 - Glycol Branch Bldg E Elec.	045	24-045	\$1,890								1,890			
AT076	Premium Time - Dec 2021 & Jan 2022	013	24-013	\$68,654											
AT077	Covid GR Impact Costs - December 2021	014	24-014	\$27,479											
AT078	ASI 115 - Power connections for range hoods - Bldgs A, B, &C	045	24-045	\$2,007								2,007			
AT079	ASI-075 - Rev to Elevator Call Station Provisions for Phasing (CR156.1)	015	24-017 24-021	\$5,215											
AT080	Temp boiler steam and condensate pipe. Added by-pass valve for logistic. (CR199)	015	24-020	\$18,090											
AT081	Add railing members for Temp Lib. (CR213)	015	24-015	\$2,784											
AT082	Relocate Fusco AC Rm 402 & Add (2) Light Switch Rm 302, Add Recep 332 (CR255)	015	24-017	\$3,773											
AT083	Modify Downs Storefront to be Double Egress Door - Ph. 2	015	24-017	\$17,500											
AT084	CCD-015, 015.1 - Telecom Only	045	24-045	\$40,148								40,148			
AT084.1	CCD-015, 015.1 - Electrical Revisions - PV Elec. Only	045	24-045	\$136,942								136,942			
AT085	0.1, 020, Sub. 260000-057.0: PD_Panelboards & Check Metering Revisions Sub (CR149)	045	24-045	\$16,754								16,754			
AT086	ASI 095 - Temp LABBB & REACH rev	015	24-017	-\$1,937											
AT087	CCD034 Mortar repair to Fusco granit steps	015	24-017	\$6,705											
AT088	ASI 106 - Steel & Concrete Revisions Bldg. B U1 & L2	042	24-039	-\$2,057					(2,057)						
AT089	ASI 141 & 148 Revs to Column Location & Roof Edge Plate Dims - Bldg. B & C (CR238)	042	24-039	Void					Void						
AT090	RFI 278 - Braced frame conn loads Bldg A, B, C	042	24-039	\$1,730					1,730						
AT091	Advanced Air Balancing for Affidavit Phase 1	014	24-014	\$8,250											
AT092	Phase 2 Electrical Switchgear Storage due to supply ch	014	24-014	\$27,665											
AT093	Furnish Red FA Strobes ILO White due to Supply Chair	014	24-014	\$23,191											
AT094	Winter Conditions - Jan 2022	040	24-009	\$81,260			81,260								
AT095	Covid GR Impact Costs - Jan and Feb 2022	014	24-014	\$29,882											
AT096	Premium Time - Jan 2022 & Feb 2022	013	24-013	\$40,048											

					24-040	24-041	24-009	24-038	24-039	24-042	24-044	24-045	24-046	24-043	24-047
					038	039	040	041	042	043	044	045	046	047	048
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Temp electric consumption - additional	Temp heating fuel for construction	Winter conditions	Additional concrete	Additional steel	Additional misc metals	Additional kichen equipment	Additional electrical	Hoisting not assigned to sub	Pedestrian protection and access	Vapor migitagion fans if
AT097	PJK Crane Pick Temp Boiler into Courtyard due to Size Restrictions at Gate	015	24-019	\$41,032											
AT098	Covid Impact - Fire Pmp Retest with generator	014	24-020	\$5,458											
AT099	Temp Culinary - Remove/Reinstall Casework Doors for electrical assess (CR223)	015	24-017	\$2,271											
AT100	ASI 136 - Pavement Markings for Temp Lot (CR232)	015	24-017	\$3,564											
AT101	CCD 019.1 - Various lighting Rev Phs 1, 2, 3 (CR158.1)	045	24-045	-\$7,306								(7,306)			
AT102	Ph 2 -Covered walkway and Temp boiler protection.	047	24-042	\$122,227										122,227	
AT102.1	Ph 2 -Temp Pedestrian walkways	047	24-042	\$54,036										54,036	
AT103	VOID														
AT104	Temp Boiler Fuel - March '22	039	24-041	\$24,219		24,219									
AT105	Police Detail - Feb 2022	007	24-007	\$1,521											
AT106	Changes to temp door/hardware/frame for phasing requirements	015	24-017	\$8,886											
AT107	Pavement Markings Lower Lower Lot (Phase 2)_EST	047	24-043	\$3,136										3,136	
AT108	Piped Temp Water Line Fusco to Existing Boiler_T&M_EST	015	24-017	\$2,393											
AT109	RFI 482.1 Relocate Glycol branch Bldge D HRU-4	045	24-045	\$2,129								2,129			
AT110	CCD 033 - Relocate Electrical Recept. to Face of Base Cabinet at Science CRs ADA Sink	045	24-045	\$6,824								6,824			
AT111	Premium Time - March 2022	013	24-013	\$68,081											
AT112	ASI-206 - Provide Separate Metering for EV Charger Panel - Phase 1 (CR338)	045	24-045	\$5,272								5,272			
TBD	CCD-036 - FUSCO Temp Library Revisions_EST (CR 315)	015	24-017	\$16,649											
AT113	CCD-035 Provide EV Charging Stations (CR 279)	045	24-045	\$39,178								39,178			
AT114	RFI-346.1 - Utilize Existing Water Pipe for Temp Service in Fusco_EST	015	24-019	\$1,484											
AT115	Additional Containments Installed for Added Protection for Building Separation	015	24-015	\$25,505											
AT116	Temp Kitchen Blue Gym Extra Sink Plumbing_T&M_Sub. 040722_CR310	015	24-019	\$2,831											
AT117	CCD-036 - FUSCO Temp Library Revisions_CR315	015	24-019	\$16,649											
AT118	ASI-237 FA connection for DH stair 2 D2	015	24-019	\$4,318											
AT119	Covid Impact - Provisions for Utilizing Perm. Heat via Temp Power Source due to Supply Chain-Ph.1, (CR243.1)	014	24-014	\$100,970											
AT120	ASI-084 & 093 - Revised Diffuser Layout & Smoke Damper Deletion-Bldg. E (CR150)	045	24-045	-\$4,792								(4,792)			
ASI121	ASI-208 - Revision to Dunnage at BLDG B (PH 2) Roof (CR341)	042	24-039	-\$1,471					(1,471)						
ASI122	ASI-193 - Misc. Revisions to Steel at Roof Bldg. B (CR325)	042	24-039	-\$1,818					(1,818)						
AT123	ASI 189 - Revs to steel & concrete slab dims Bldg A, B, & C (CR218)	042	24-039	-\$2,361					(2,361)						
AT124	Elevator operator for IT equipment install (CR333)	011	24-011	\$13,018											
AT125	RFI-631_F&I 277V Feed in Kiln Room 221B. (CR364)	045	24-045	\$4,499								4,499			
AT126	Temp disconnect of duress alarm button in Rm. 532A (CR359)	015	24-019	\$1,515											
AT127	ASI 095.1 - Revision to Temp LABBB Quiet Room (Downs BLDG;PH 1)_CR343	015	24-017	\$3,519											
AT128	Out of Sequence install Aud. Light PC34ATRD, RB16T, RB17T, RB17TRD (CR230)	045	24-045	\$18,166								18,166			
AT129	ASI-197 - Revisions to Band & Chorus Rooms Baffle & PC16 fixtures (CR332)	045	24-045	\$4,398								4,398			
AT130	Collumb Building Remove/Dispose Abandoned Items (CR362)	011	24-011	\$73,646											
AT131	RFI-543.1 - PC22 & PC14 Elevation Changes per HMFH in Auditorium (CR293)	045	24-045	\$3,234								3,234			
AT132	ASI-205 - RFI-607 - Additional Electrical for Ice Makers and Dryer Outlet Ph. 1 (CR334)	045	24-045	\$10,335								10,335			
AT133	RFI-601 - Branch Box BS-1-E-3 Missing Electrical Circuitry - Bldg. E (CR344)	045	24-045	\$2,743								2,743			
AT135	F&I Security Bollards (CR299)	045	24-045	\$5,403								5,403			
AT136	ASI-099 - Interior Elevations Chorus Room, Production Lab, Band Classroom_(CR201)	045	24-045	-\$1,302								(1,302)			

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Arlington High School Project
Allowance Log

					24-040	24-041	24-009	24-038	24-039	24-042	24-044	24-045	24-046	24-043	24-047
					038	039	040	041	042	043	044	045	046	047	048
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Temp electric consumption - additional	Temp heating fuel for construction	Winter conditions	Additional concrete	Additional steel	Additional misc metals	Additional kichen equipment	Additional electrical	Hoisting not assigned to sub	Pedestrian protection and access	Vapor migitagion fans if
AT137	ASI-216 - Dimension Revisions to Slab Edge Plan (Phase 2; BLDG B+C) CR357	042	24-039	\$957					957						
AT138	ASI-219 - Revision to Pre-K Light Locations & Quantities (PH 2; BLDG C) CR367	045	24-045	\$13,277								13,277			
AT139	Covid Impact - F&I Laptop for theater lighting controls	014	24-014	\$1,724											
AT140	Premium Time - May - July 2022	013	24-013	\$30,124											
AT141	Dumpster for existing school trashout CR373	015	24-017	\$9,880											
AT142	CCD 042 Gas piping for tem boilers (CR391)	015	24-017	59,026											
AT143	ASI-134.1 - 134 - Structural Steel & Fndtn Rebar Revs Bldg. B CR234	042	24-039	\$11,822					11,822						
AT144	ASI-152.1 - 152 - Various Slab Edge Depression Revs & Steel Revs Ph. 2-3 CR250	042	24-039	\$6,850					6,850						
AT145	ASI-158 - Steel Revs & Glass Railing Support Revs - Bldg. B&C Sub. CR256	042	24-039	\$3,406					3,406						
AT146	Replace Rm 239 Speaker grill Bldg D	045	24-045	\$466								466			
AT147	ASI-225 - Rev. to Loading Dock Area Control/Expansion Joint (PH 2) (CR376)		24-038	\$2,059				2,059							
AT148	Additional Services at Security for Doors (CR442)	045	24-045	\$1,411								1,411			
AT149	Ph 1 Plant storage	015	24-016	\$5,429											
AT150	Premium Time - August 2022	013	24-013	\$63,008											
AT151	ASI-261 - Power Connections for ACP within Data IDF Closets (PH 2-3)	045	24-045	\$5,186								5,186			
AT152	RFI-581 - Missing Electrical Circuitry for Access Control Panels T&M (CR314)	045	24-045	\$3,363								3,363			
AT153	ASI-111.1 - Revision to Accordion Fire Door Detail A9.7.3 (PH 2) (CR432)	043	24-042	\$19,730						19,730					
AT154	ASI 154 Various Revs to Bldg A, B, C, &E Foundations & Slab Depressions (CR261)	041	24-038	\$85,043				85,043							
AT155R1	CCD-044 - Various Miscellaneous Metal Revisions (PH1-PH3) (CR401)	043	24-042	\$46,007						46,007					
AT156	Premium Time - September 2022	013	24-013	\$67,189											
AT157	CCD-029 - ASI-150 - Final Room Numbers/Names Revisions - All Phases CR242	045	24-045	\$14,734								14,734			
AT158	Barker Various Added Rebar Ph 1 Site & Ph 2. See EBP Allowances and Holds \$20,070		24-025 24-023 24-024	See EBP Allow and HOLDS											
AT159	Eversource costs for Temporary power usage through August 2022	1	24-001 24-040	\$14,147	3,500										
AT160	ASI-277 - Revision to Stair 1 Structural Connections (PH 2) CR475	043	24-042	\$2,325						2,325					
AT161	ASI-282 Revision to Slab Edge at Exterior Curtainwall Openings (PH 2 + 3) CR484	042	24-039	\$572					572						
AT162	ASI-278 - Revision to 2nd Floor Framing Plan (PH 2) CR476	042	24-039	\$567					567						
TBD	ASI 248 Furnish and install posts for added traffic signs at Mass Ave CR438	045	24-015	\$2,740											
AT163	Establish OT/Acceleration Allowance [\$913,348] (Transfer \$300K from CT)	various	various	(\$459,361)									100,000		
AT164	RFI-592.1 - 592 -Electrical only - Dust Collector compressor insufficient clearance (CR330)	045	24-045	\$9,622								9,622			
AT165R1	F&I Trash Chute and loading bay system Ph 2	046	24-046	\$92,130									92,130		
AT166	Premium Time - October 2022	013	24-013	\$61,177											
AT167	WJGEI Install Banner Flags on Light Poles_T&M_Sub. 092722 CR509	045	24-045	\$1,332								1,332			
AT168	Troubleshoot Elevator AOR System_Ph1 T&M	045	24-045	\$440								440			
AT169	Eversource Temp Power Sept thru Dec 2022	038	24-040	\$8,319	8,319										
AT170	F&I Flashing Pedestrian Crossing Sign_T&M	047	24-043	\$380										380	
AT171	RFI-623 - Added Web Penetrations Unit Rate_Bldg. C	042	24-039	\$275					275						
AT172	F&I Jersey Barriers Mass Ave for Sidewalk Replacment	047	24-043	\$15,529										15,529	
AT173	ASI-284 - Revise IT Receptacles from Switched to Always On (Ph. 1) CR491	045	24-045	\$794								794			
AT174	ASI-248 - Added Traffic Signs at Mass Ave - F&I Posts CR438	015	24-015	\$2,525											
AT175	CCD-037 - Fire Alarm Devices (PH 2 + 3) CR492	045	24-045	-\$15,350								(15,350)			

SKANSKA

Arlington High School Project
Allowance Log

					24-040	24-041	24-009	24-038	24-039	24-042	24-044	24-045	24-046	24-043	24-047
					038	039	040	041	042	043	044	045	046	047	048
Allow Letter #	Description	Allow #	CCC Cost Code	Amount	Temp electric consumption - additional	Temp heating fuel for construction	Winter conditions	Additional concrete	Additional steel	Additional misc metals	Additional kichen equipment	Additional electrical	Hoisting not assigned to sub	Pedestrian protection and access	Vapor migitagion fans if
AT176	ASI-283 - Add Chain Crash Stop to Main Entry Doors (Ph. 1-3) CR501	015	24-015	\$1,488											
AT177	RFI-689 - F&I Dedicated 120V Feed for Fire Shutter CR515	045	24-045	\$576								576			
AT178	WJGEI - Short Circuit Study Revisions and breaker changes Ph.1 CR507	045	24-045	\$28,072								28,072			
AT179	ASI-235.2, .1, 0 - Various Steel-Concrete Revisions (BLDG A - PH 3) (CR394)		24-038	\$5,731				5,731							
AT180	RFI-688 Door TF-OH1 (Toilet Facility) Electrical Power Requirements Ph 3 (CR537)	045	24-045	\$1,964								1,964			
AT181	Premium Time - Nov 2022	013	24-013	\$24,918											
AT182	Temp Heat - October & November 2022		24-002 24-009 24-041	\$86,242		14,804	10,120								
AT183	RFI-656 - Electrical Required for Added Branch Boxes (Building C) CR520	045	24-045	\$4,085								4,085			
AT184	Premium Time - Dec 2022	013	24-013	\$10,129											
AT185	Premium Time - Jan 2023	013	24-013	\$45,197											
AT186	Temp Boiler Fuel - December '22	039	24-041	\$64,186		64,186									
AT187	CCD-025.1, 025 - Electrical Connections to Irrigation Systems Clarifications Ph 1 Only CR179A	045	24-045	\$3,496								3,496			
AT188	Additional Rebar MEP Coordination - Ph. 2	042	24-039	\$25,170					25,170						
AT189	ASI 219.1 - Revs to Pre-K lights	045	24-045	\$1,689								1,689			
AT190	Temp Boiler Fuel - Jan '23	039	24-041	\$38,606		38,606									
AT191	Eversource Temp Power Jan - March 2023	038	24-040	\$16,048	16,048										
AT192	Premium Time - Feb 2023	013	24-013	\$80,804											
AT193	Temp Heat Fuel - February 2023 CR567.4			potential											
AT194	Premium Time - March 2023	013	24-013	\$130,716											
AT195	Premium Time - April 2023	013	24-013	\$176,683											
AT196	RFI-756 - Cut Shelf 5th Floor Window Mullions T&M	043	24-042	\$7,870						7,870					
AT197	Temp Door for Ph. 1/Ph.2 Construction Access & Electrical Rooms	015	24-017	\$11,571											
AT198	Install Elevator Clips - PH 2 T&M EST	043	24-042	\$5,750						5,750					
AT199	RFI 692 - HVAC vs Elec Discrepancy for rooftop equip	045	24-045	\$3,665								3,665			
AT200	Premium Time - May 2023	013	24-013	\$105,042											
AT201	OHP at Bldg B Construction entrance		24-046	\$10,977									10,977		
AT202	ASI 337 and 339 - Rev to Mech and SOO (CR594 & CR603)	015	24-019	\$191											
AT203	RFI-725 - B Kitchen Electrical Relocation (CR595). Total is \$11,456.14 - see Contingency for balance.	045	24-045	\$5,728								5,728			
AT204	Tree at Main Generator West Parking Lot Removal	015	24-017	\$3,520											
AT205	Warranty #51-008 Customer Damaged HDMI Encoder Floorbox Plate Sub	045	24-045	\$3,728								3,728			
AT206	Premium Time - June & July 2023	013	24-013	\$226,035											
AT207	Temp power - June 2023		24-040	\$1,461	1,461										
AT208	Police detail and permit		24-007	\$4,228											
AT209	Provide future food services Equip 69F, 70F, 74, 75, 76	044	24-044	\$42,496							42,496				
AT212	Add misc. metals supports Ph 2	043	24-042	\$11,000						11,000					
AT213	Additional Rebar MEP Coordination - Ph. 2	042	24-039	\$1,089					1,089						
AT214	RFI 786 - Kitchen MAU-1 Missing Condensate Pipe (CR643)	044	24-044	\$2,954							2,954				
AT215	Locker Pad Light Lense Replacements (Bldg D, 2nd fl)	045	24-045	\$3,800								3,800			
AT216	Temp power kitchen panels	045	24-045	\$12,265								12,265			
AT218	ASI-355 - Addtl of Elect Connections to Mech Terminal units (CR640)	045	24-045	\$24,046								24,046			
AT219	Patch CMU in Ph 3 Enabling Locker Rooms	015	24-017	\$6,000											
AT220	RFI 792 - Telecom cable length to S108.A (CR642)	015	24-015	\$2,291											
AT221	RFI 535.1 BMS Panel Missing Network Conn. Ph 2 (CR666)	015	24-015	\$856											
AT222	Additional Security card readers coordination (CR487.1)	015	24-015	\$2,378											
AT223	National Grid Gas Relocation (ph 3) ; \$2,232	within GMP	24-004												
AT224	Eversource cover lines (WO13855917); \$15,011	within GMP	24-004												



Change Order (CO)

NO: **31**

Date of Issuance:

15-September 2023

Project:	Arlington High School	Contract For:	New Construction
Address:	869 Massachusetts Avenue, Arlington MA	Contract Date:	June 26, 2019
Owner:	Town of Arlington		
Address:	730 Massachusetts Avenue Arlington, MA 02476	Project ID:	
From:	HMFH Architects, Inc	To:	Consigli Construction Co., Inc.
Address:	130 Bishop Allen Drive, Cambridge MA 02139	Address:	72 Summer Street, Milford MA

Items included in this Change Order:	Cost:
CR 618R1 ASI-348 Revisions & added condensate drain & receptors.	\$ 23,617.57
CR 648 ASI-369 increase size of (hardware access prevention) steel plate at Stair 1 rood access level.	\$ 883.14
CR 659 CCD-054 Added two Fire Dampers at Duct risers Part C.	\$ 20,146.83
CR 660 Add extensions to Nurse Area curtains track to resolve conflict with suspended lights.	\$ 1,141.13

Change Order Total: \$ 45,788.67

THE CONTRACT IS CHANGED AS FOLLOWS:	
Original Contract Sum was:	\$234,287,347.00
Net change by previously authorized Change Order was:	\$ 2,314,311.78
Contract Sum prior to this Change Order was:	\$236,601,658.78
Contract Sum will be (increased) (decreased) by Change Order in the amount of:	\$ 45,788.67
New Contract Sum including this Change Order will be:	\$236,647,447.45
Contract Time will unchanged .	
Date of Substantial Completion as of the date of this Change Order therefore is:	02/14/2022 (Phase 1) 10/30/2023 (Phase 2) 12/16/2024 (Phase 3) 09/26/2025 (Final-Site)

NOTE: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price, which have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.
NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Architect	Owner's Project Manager	Construction Manager
HMFH Architects, Inc. 130 Bishop Allen Drive. Cambridge, MA	Skanska USA Building, Inc. 101 Seaport Boulevard, Suite 200 Boston, MA 02210	Consigli Construction Co., Inc. 72 Summer Street Milford, MA 01757
		
BY (Signature) Arthur Duffy	BY (Signature) Jim Burrows	BY (Signature) John LaMarre
09/19/2023		
Date	Date	Date

Town Manager		
James Feeney 730 Massachusetts Avenue Arlington MA, 02476		
BY (Signature) James Feeney	BY (Signature)	BY (Signature)
Date	Date	Date

Attachments:	CR's: 618R1, 648, 659, 660	
Distribution:	<input checked="" type="checkbox"/> Owner – James Feeney	<input checked="" type="checkbox"/> Architect – Arthur Duffy, Lori Cowles HMFH Architects, Inc.
	<input checked="" type="checkbox"/> OPM – Jim Burrows, Sy Nguyen, Hal Raymond, Victoria Clifford Skanska USA Building, Inc.	<input checked="" type="checkbox"/> Contractor – John LaMarre, Todd McCabe, Chris Weber, Consigli Construction Co., Inc.
	<input checked="" type="checkbox"/> Field – C. McWilliams, T. DeRosa Consigli Construction Co, Inc.	<input type="checkbox"/> Other–



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR618
Date: 5/10/23
Job: 2153 Arlington High School
Phone:

Description: ASI-348 - Rev to Condensate Drains (Added Condensate Receptors + Revised Routing (PH 3)_sub. 061923

Source: ASI # 348

We offer the following specifications and pricing to make the changes as described below:

*CR618R1 includes revised PJ Kennedy pricing in response to HMFH/Bala CR618 Review comments.

CR618 includes costs associated with ASI-348 - Rev to Condensate Drains (added Condensate Receptors + Revised Routing (ph. 3) dated 5/9/23 issued by HMFH. Please see below for summary of scope/cost impacts, as well as attached backup for additional information.

- E. Amanti & Sons (Plumbing):
 - F&I Added condensate receptors and associated plumbing
- PJ Kennedy (HVAC):
 - F&I (3) additional condensate pumps
 - F&I additional piping and insulation associated with added condensate drains and piping
- WJGEI (Electrical)
 - F&I additional electrical connections and branch circuitry for added condensate pumps

Assumptions & Qualifications:

- CCC will not proceed with this scope until formal CO approval is received
- Costs associated with overtime/acceleration are not included

Description	Labor	Material	Equipment	Subcontract	Other	Price
WJGEI - Proposal #214 dated 5/16/23				\$2,118.31		\$2,118.31
PJK - HVAC - PCO#049R1 dated 8/19/23				\$16,008.39		\$16,008.39
E. Amanti & Sons - PCO#039 dated 5/23/23				\$3,936.00		\$3,936.00
Colony Drywall - NCC dated 6/5/23						
					Subtotal:	\$22,062.70
		Bond (.75%)		\$22,062.70		\$165.47
		General Liability (1.2%)		\$22,062.70		\$264.75
		Subguard (1.4%)				\$0.00
		OH&P (5% subs, 10% self perform)		\$22,492.92		\$1,124.65
					Total:	\$23,617.57

- ☐ SCHEDULE IMPACT
- ☐ We have proceeded with this change to achieve schedule.
- ☐ As directed, we will not proceed with this change until formal direction from OWNER is received.



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR618
Date: 5/10/23
Job: 2153 Arlington High School
Phone:

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

08/25/2023

Date

(Signature)

John LaMarre

By

8/21/23

Date

(Signature)

By

Date



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR618
Date: 5/10/23
Job: 2153 Arlington High School
Phone:

Description: ASI-348 - Rev to Condensate Drains (Added Condensate Receptors + Revised Routing (Ph. 3)_sub. 01923

Source: ASI # 348

We offer the following specifications and pricing to make the changes as described below:

CR618 includes costs associated with ASI-348 - Rev to Condensate Drains (added Condensate Receptors + Revised Routing (ph. 3) dated 5/9/23 issued by HMFH. Please see below for summary of scope/cost impacts as well as attached backup for additional information.

- E. Amanti & Sons (Plumbing):
 - F&I Added condensate receptors and associated plumbing
- PJ Kennedy (HVAC):
 - F&I (3) additional condensate pumps
 - F&I additional piping and insulation associated with added condensate drains and piping
- WJGEI (Electrical)
 - F&I additional electrical connections and branch circuitry for added condensate pumps

Assumptions & Qualifications:

- CCC will not proceed with this scope until formal CO approval is received
- Costs associated with overtime/acceleration are not included

Description	Labor	Material	Equipment	Subcontract	Other	Price
WJGEI - Proposal #214 dated 5/16/23 OK				\$2,118.31		\$2,118.31
PJK - HVAC - PCO#049 dated 6/3/23 see comments within, in particular on PJK page				\$18,935.13		\$18,935.13
E. Amanti & Sons - PCO#039 dated OK 5/23/23				\$3,936.00		\$3,936.00
Colony Drywall - NCC dated 6/5/23						
					Subtotal:	\$24,989.44
			Bond (.75%)	\$24,989.44		\$187.42
			General Liability (1.2%)	\$24,989.44		\$299.87
			Subguard (1.4%)			\$0.00
			OH&P (5% subs, 10% self perform)	\$25,476.73		\$1,273.84
					Total:	\$26,750.57

☐ SCHEDULE IMPACT

☐ We have proceeded with this change to achieve schedule.

☒ As directed, we will not proceed with this change until formal direction from OWNER is received.



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR618
Date: 5/10/23
Job: 2153 Arlington High School
Phone:

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

(Signature)
John LaMarre

(Signature)

By

By

6/19/23

By

Date

Date

Date

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 348

date: 5.9.2023

subject: Condensate piping revisions part A 1st and upper 1st floor levels

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☒ Other: Bala, RFS

reference: Drawings: P2.0a. M3.0a. E2.0a, E2.1a, E10.1.1, E10.1.2

attachments: Sketches: SKP-37. SKM-107a,b,c. SKE-73a,b, SKE-74a,b

OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Revisions at Part a regarding routing of various condensate drains (refer also to RFI-753):

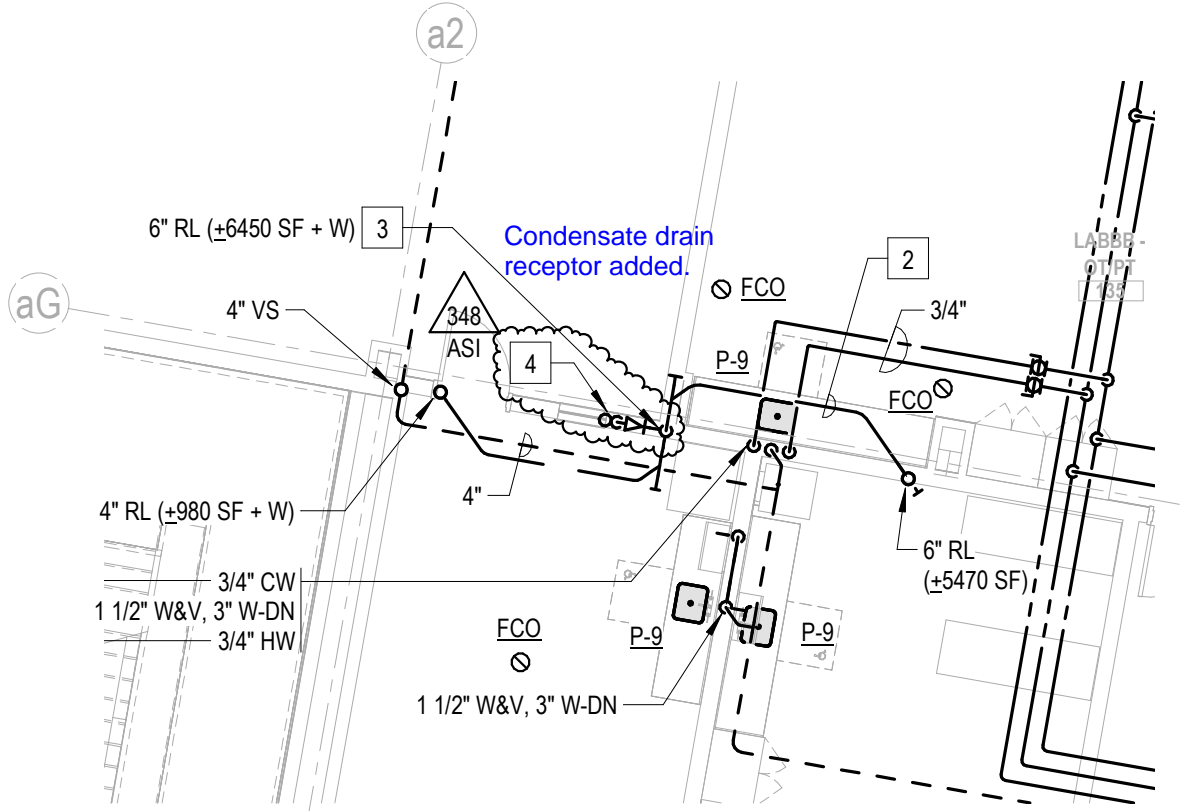
Refer to Sketches SKP-037: Added condensate receptors at two locations.

Refer to Sketches SKM-107a,b,c: Revised routing, showing of routing of condensate drains.
Added three pumps.

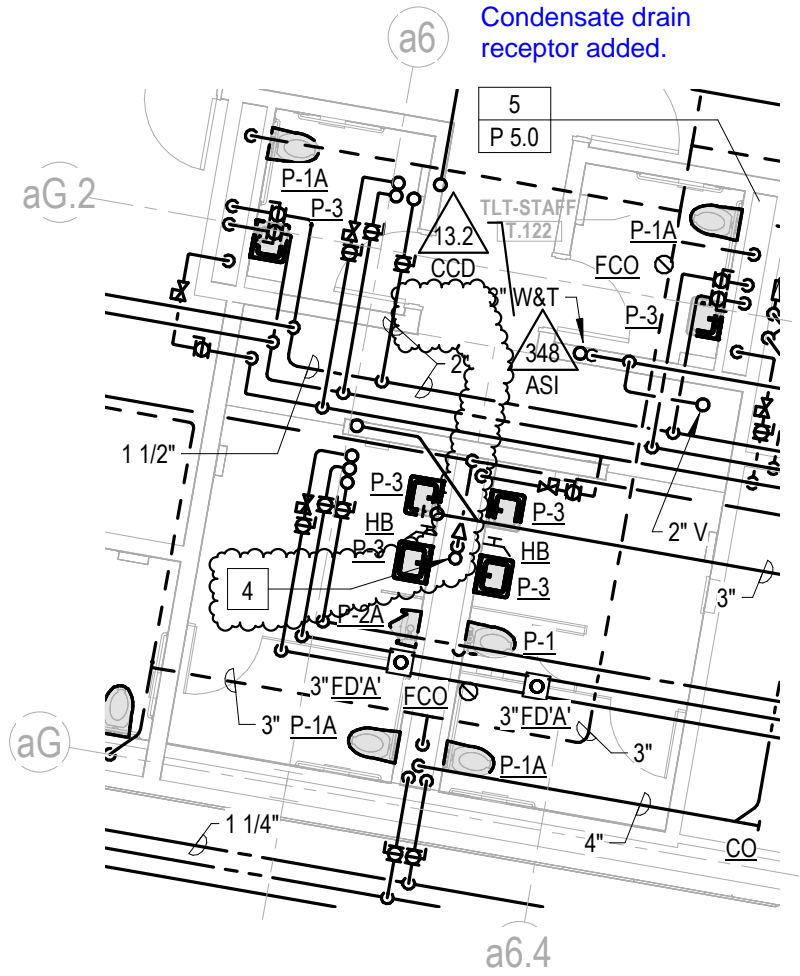
Refer to Sketches SKE-73a,b: Added condensate pump connections.

Refer to Sketches SKE-74a,b: Circuit panel assignment for pump connections.

1 PLUMBING LEVEL 1 AREA A
1/8" = 1'-0"



2 PLUMBING LEVEL 1 AREA A
1/8" = 1'-0"



KEY NOTES:

- 1 H&CW BFP TO SERVE P-4 FIXTURES.
- 2 MINIMUM SLOPE: 1/4"/FT.
- 3 DOWN WITH WCO & AP.
- 4 CONDENSATE DRAIN RECEPTOR TO BE PROVIDED WITH TRAP & BACKWATER VALVE AND ACCESS PANEL. REFER TO DETAIL FOR ADDITIONAL REQUIREMENTS.
- 5 DROPS & RUN TO NEARBY FIXTURES.
- 6 OFF OF CW DROP TO WASHER, EXTEND A SEPARATE VALVED 3/4" CW LINE TO NEARBY IMB. ANY ACCESSORIES PROVIDED LOOSE WITH THE ICE MACHINE ARE TO BE INSTALLED BY THE PLUMBING CONTRACTOR.

Added "AND ACCESS PANEL" to note

281.2
ASI

348
ASI

See also RFI-753
REF. DWG. P 2.0a ASI-348

DRAWING NUMBER

SKP
37

JOB NUMBER
6017442

Arlington High School
PLUMBING AREA A REVISIONS

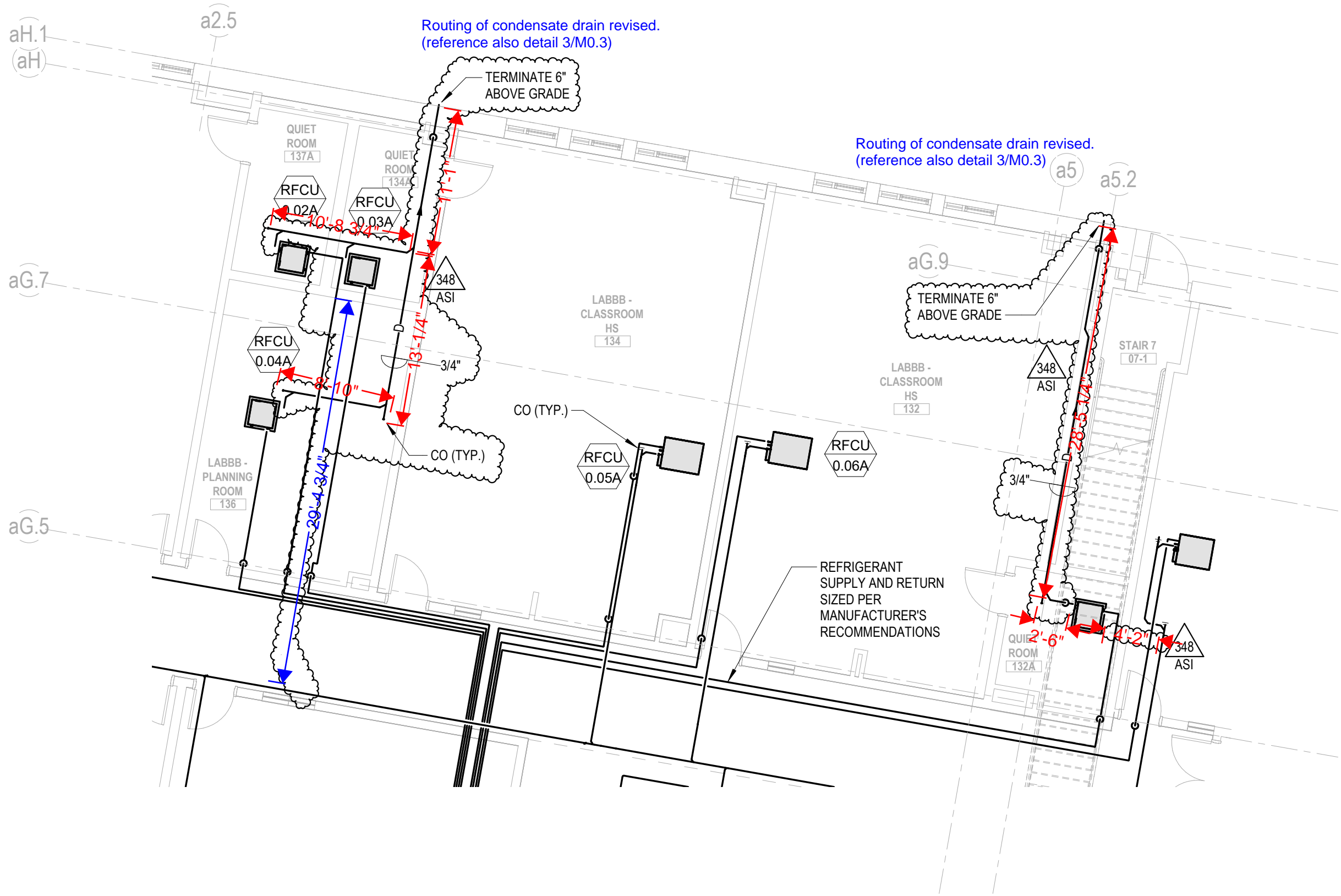
BALA
ENGINEERS

130 BISHOP ALLEN DRIVE
CAMBRIDGE, MA 02139
617 492 2200
@HMFHarch hmffh.com

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
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SCALE: 1/8" = 1'-0" DATE: 05/04/23 DRAWN: Author CHECKED: Checker



+/-70 LF of 3/4" Piping
added - JRF Bala

See also RFI-753
REF. DWG. M3.0a ASI-348

Arlington High School

PIPING REVISION 1ST FLOOR A

CCC - CR618R1
DRAWING NUMBER
SKM
107a
JOB NUMBER
6017442

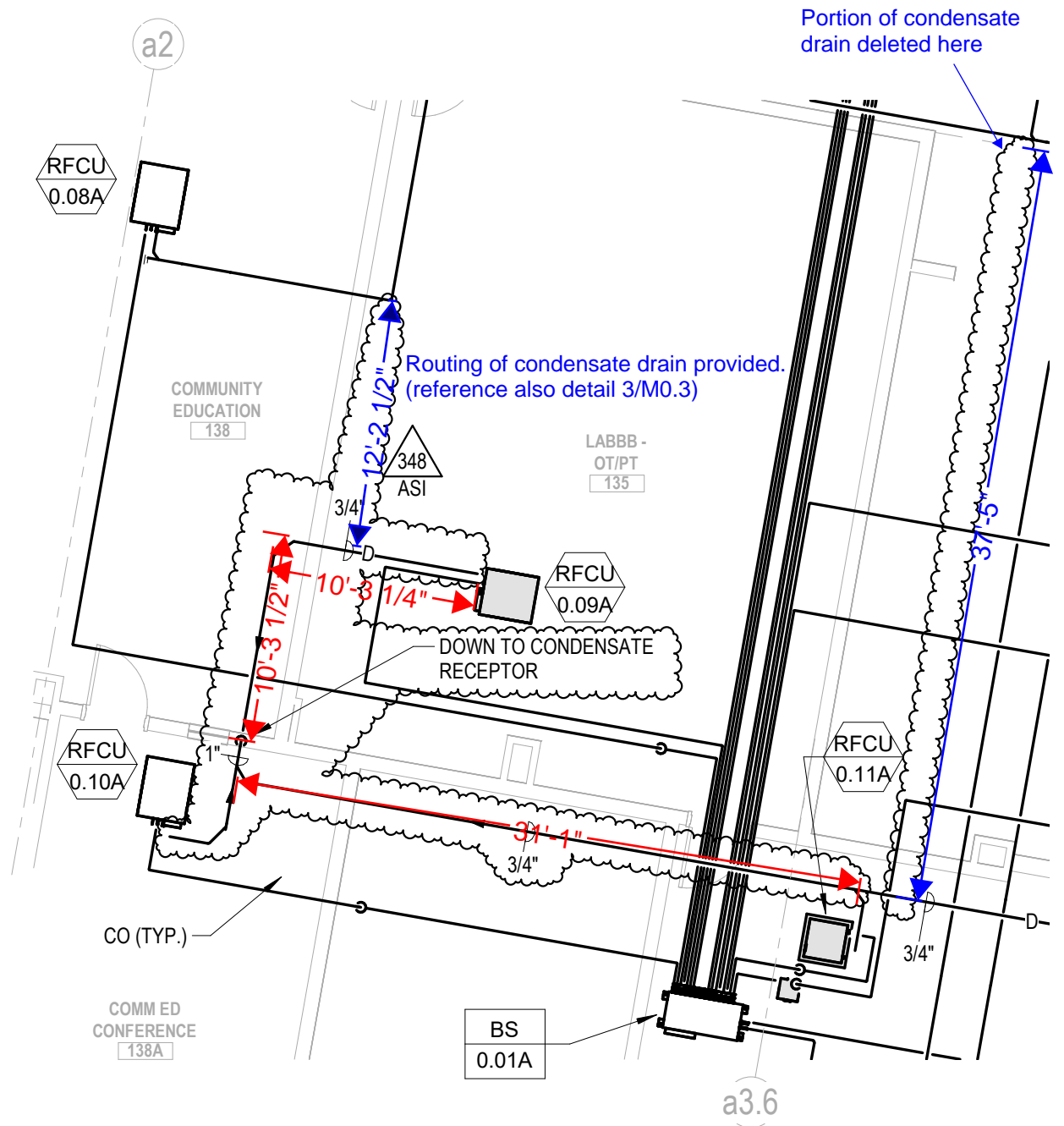
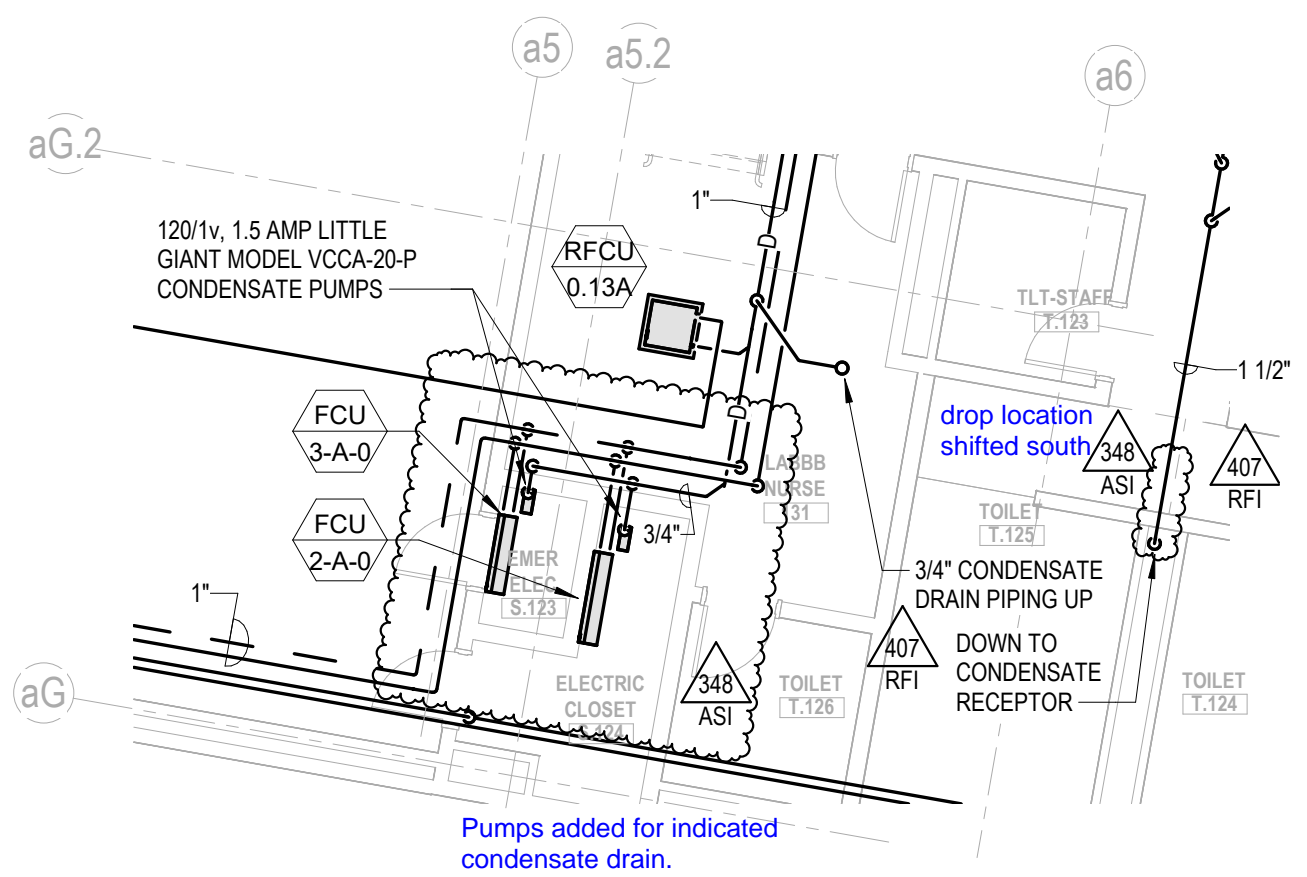
BALA
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100 WASHINGTON STREET, SUITE 200
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(617) 452-1100
www.bala.com

HMFH ARCHITECTS

HMFH
130 Bishop Allen Drive
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617 492 2200
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SCALE: 1/8" = 1'-0" DATE: 05/08/23 DRAWN: JRF CHECKED: JRF

Piping added to deleted is more or less equal - JRF Bala



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100 WILLOW STREET, SUITE 200
CAMBRIDGE, MA 02139
TEL: 617.452.2200
WWW.BALA-ENG.COM

See also RFI-753
REF. DWG. M3.0a ASI-348

CCC - CR618R1

SKM
107b

DRAWING NUMBER

JOB NUMBER 6017442

Arlington High School

PIPING REVISION 1ST FLOOR A

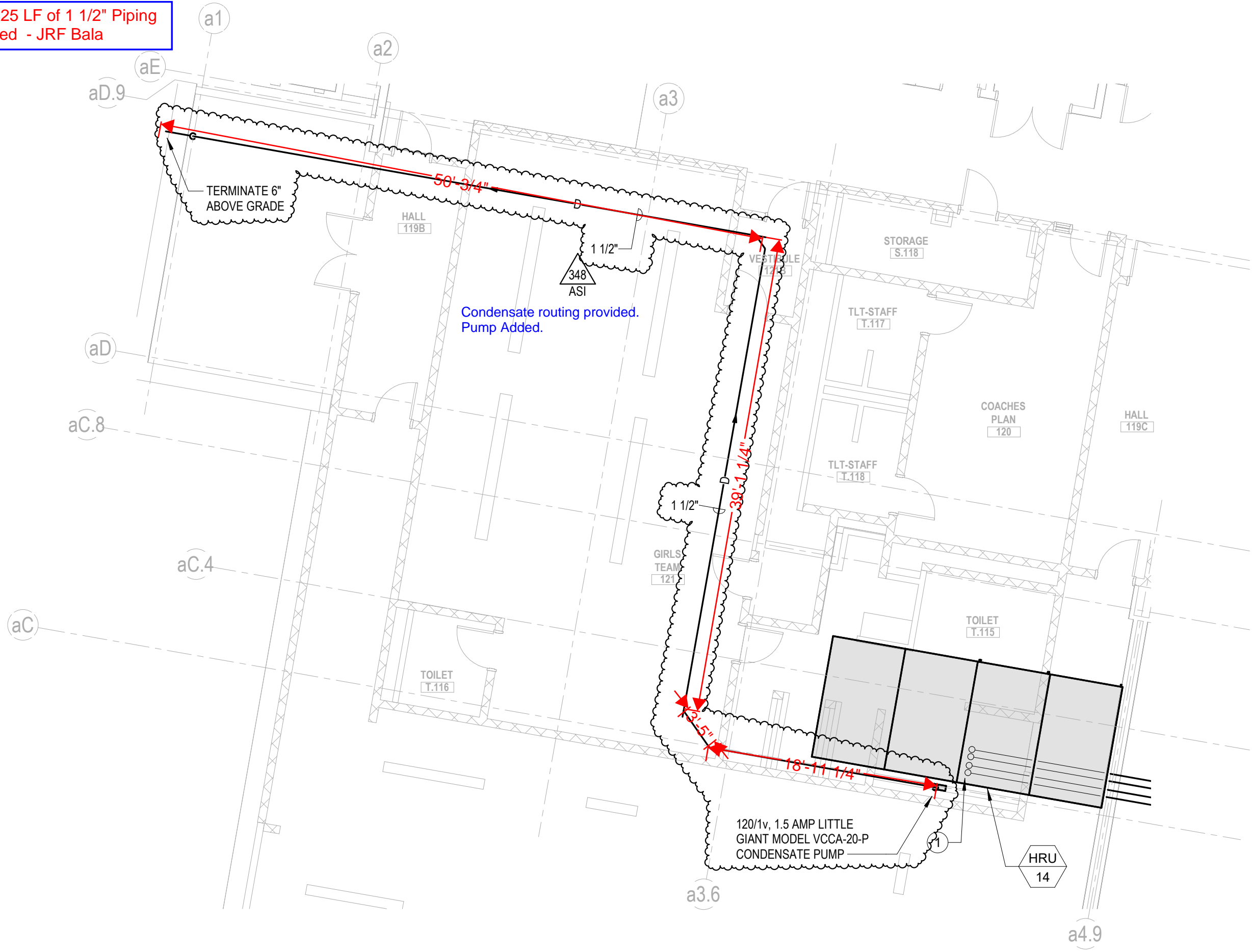
HMFH ARCHITECTS

H M F H

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
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SCALE: 1/8" = 1'-0" DATE: 05/08/23 DRAWN: JRF CHECKED: JRF

+/-125 LF of 1 1/2" Piping
added - JRF Bala



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100 WILLOW STREET, SUITE 200, BOSTON, MA 02114
617.552.1100
WWW.BALAE.COM

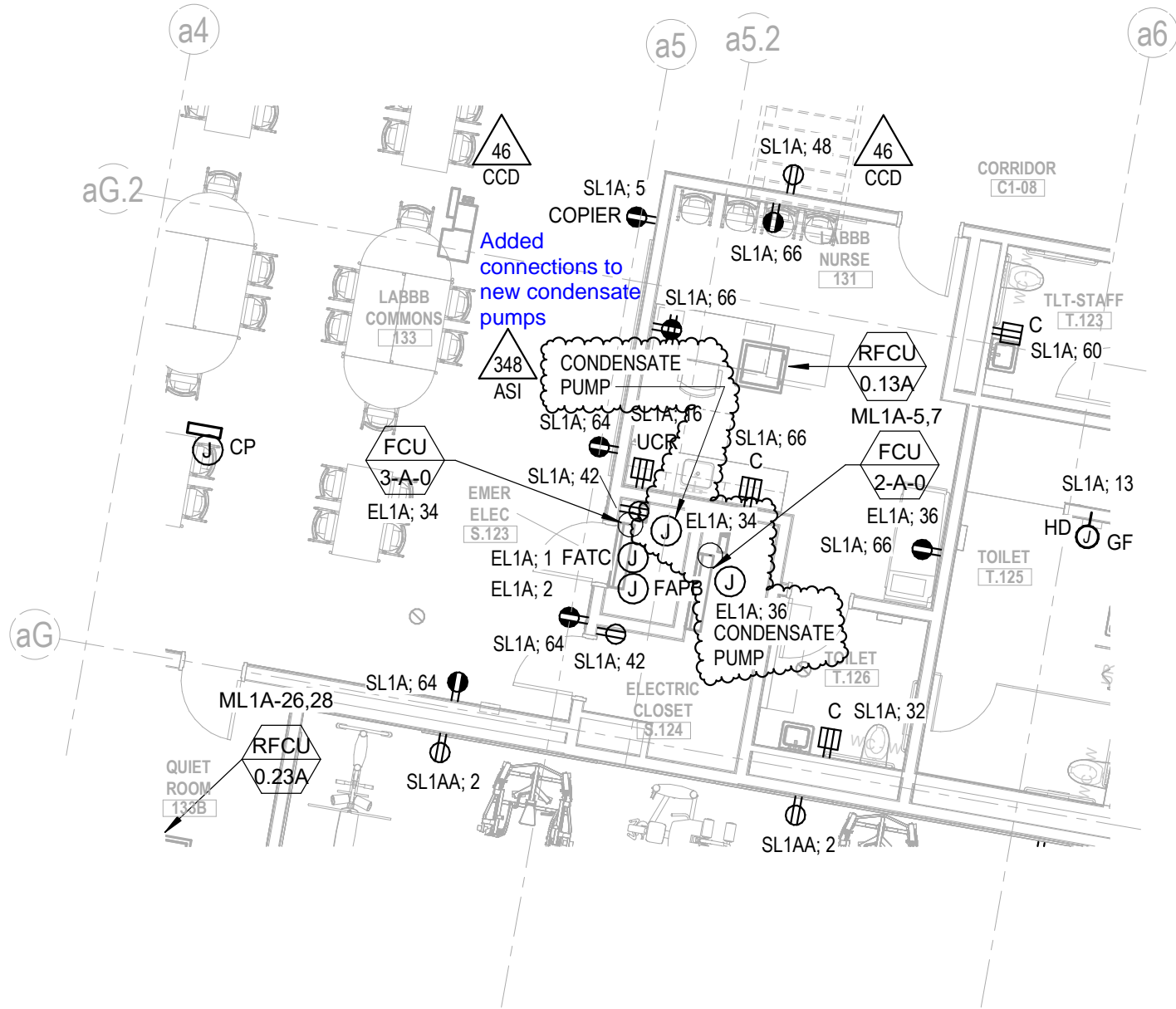
See also RFI-753
REF. DWG. M3.0a ASI-348

CCC - CR618R1
DRAWING NUMBER
SKM
107C
JOB NUMBER
6017442

Arlington High School
PIPING REVISION 1ST FLOOR A

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617 492 2200
@HMFHarch hmfh.com

SCALE: 1/8" = 1'-0" DATE: 05/08/23 DRAWN: JRF CHECKED: JRF



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130 BISHOP ALLEN DRIVE
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POWER AND SYSTEMS FIRST FLOOR PLAN - PART A

REF. DWG. E2.0a

See also RFI-753

ASI-348

DRAWING NUMBER

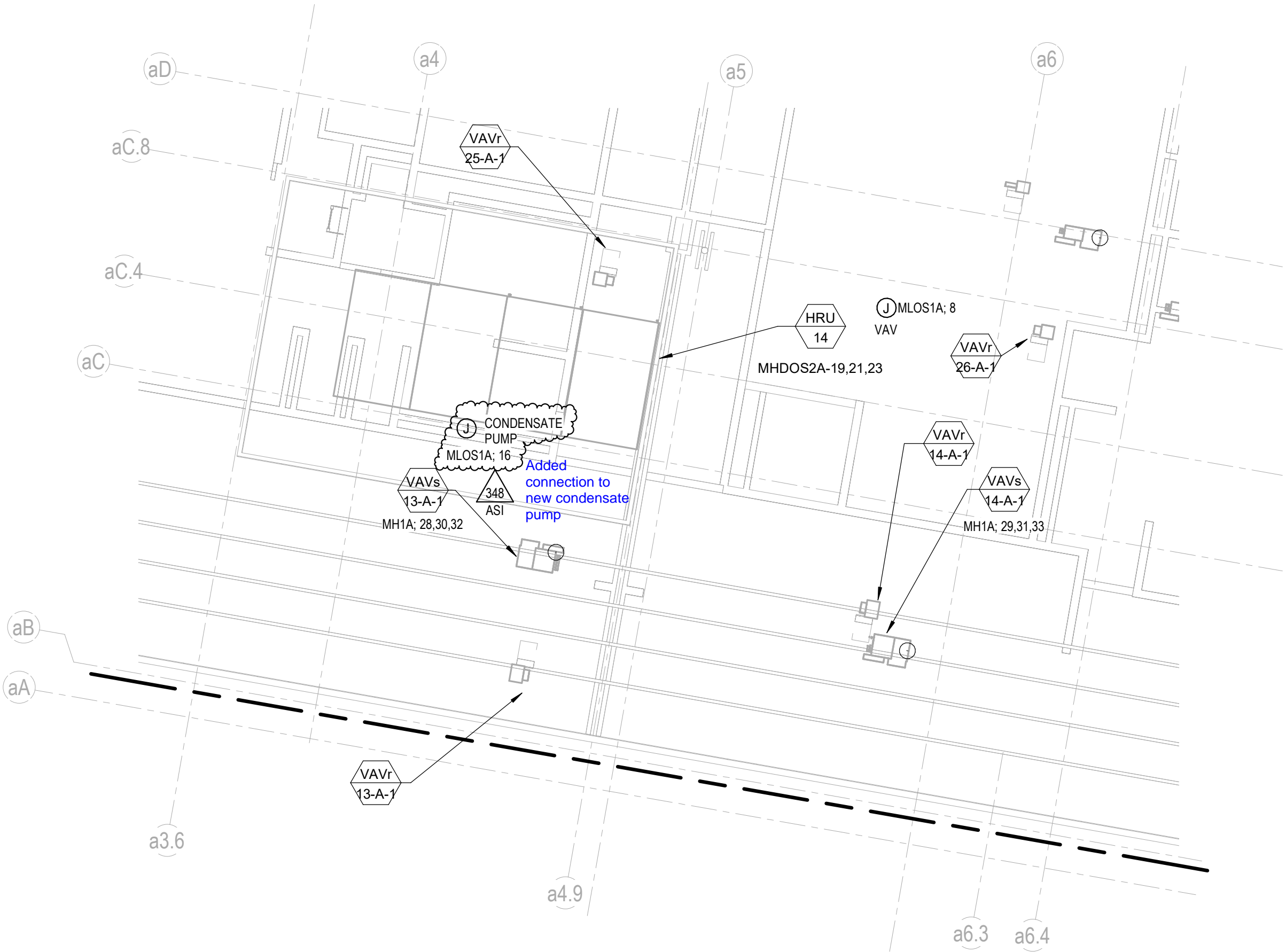
SKE
73a

JOB NUMBER

6017442

CCC - CR618R1

SCALE: 1/8" = 1'-0" DATE: 05/09/23 DRAWN: ERA CHECKED: KR



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REF. DWG. E2.1a

See also RFI-753

ASI-348

Arlington High School
POWER AND SYSTEMS UPPER FIRST FLOOR PLAN - PART
A

DRAWING NUMBER

SKE
73b

CCC - CR618R1

SCALE: 1/8" = 1'-0"

DATE: 05/09/23

DRAWN: ERA

CHECKED: KR

JOB NUMBER

6017442

Panelboard: EL1A

Location:
Supply From: 30 kVA, 277 V/480 V, Three...
Mounting: Surface
Enclosure: Type 1

Distribution System: 120/208 Wye
Phases: 3
Wires: 4
Modifications:

A.I.C. Rating: 10kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100

Notes	Wiring	Ckt. No.	Load Description	Trip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Trip	Load Description	Ckt. No.	Wiring	Notes
		1	EQUIPMENT	20 A	1	1500 / 1500			1	20 A	EQUIPMENT	2		
		3	L6-30R RECEPTACLE	30 A	2		1500 / 1500		2	30 A	L5-30R RECEPTACLE	4		
		5						1500 / 1500				6		
		7	RECEPTACLE SPACE 114	20 A	1	1500 / 1500			1	20 A	CARD READER POWER SUPPLY	8		
		9	CARD READER POWER SUPPLY	20 A	1		1500 / 500		1	20 A	EQUIPMENT	10		
		11	SMOKE/FIRE DAMPER	20 A	1			500 / 500	1	20 A	SMOKE/FIRE DAMPER	12		
		13	EQUIPMENT	20 A	1	500 / 500			1	20 A	EQUIPMENT	14		
		15	EQUIPMENT	20 A	1		180 / 180		1	20 A	EQUIPMENT SPACE 510	16		
		17	EQUIPMENT SPACE 112	20 A	1			500 / 180	1	20 A	EQUIPMENT	18		
		19	EQUIPMENT	20 A	1	180 / 180			1	20 A	EQUIPMENT	20		
		21	EQUIPMENT SPACE 294	20 A	1		180 / 180		1	20 A	EQUIPMENT	22		
		23	EQUIPMENT	20 A	1			180 / 180	1	20 A	EQUIPMENT	24		
		25	EQUIPMENT	20 A	1	180 / 180			1	20 A	EQUIPMENT SPACE 294	26		
		27	L6-30R RECEPTACLE	30 A	2		1500 / 1500		1	20 A	TELECOM RACK POWER	28		
		29						1500 / 1500	1	20 A	TELECOM RACK POWER	30		
		31	ACP	20 A	1	180 / 120			1	20 A	HVAC	32		
		33	ACP	20 A	1		180 / 1868		1	20 A	FCU-2-A-0 / CONDENSATE PUMP	34		
		35	L5-30R RECEPTACLE	30 A	1			3000 / 1760	1	20 A	FCU-3-A-0 / CONDENSATE PUMP	36		
-	-	37	SPARE	20 A	1	0 / 50			1	20 A	FCU-1-A-2	38		
-	-	39	SPARE	20 A	1		0 / 0		1	20 A	SPARE	40	-	-
-	-	41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42	-	-

Load Per...

8070 VA 10768 VA 12800 VA

Load Classification

Connected... Demand... Est. Demand

Panel Totals

Other	1000 VA	35.00%	350 VA	TOTAL CONNECTED LOAD:	31638 VA
HVAC	798 VA	75.00%	599 VA	TOTAL ESTIMATED DEMAND:	20869 VA
EQUIPMENT	1800 VA	50.00%	900 VA	TOTAL CONNECTED CURRENT:	88 A
Receptacle	28040 VA	67.83%	19020 VA	TOTAL ESTIMATED DEMAND CURRENT:	58 A

NOTES:

46
CCD

Condensate Pumps added to labeling of these two circuits

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Arlington High School
PANEL SCHEDULES PART A EMERGENCY

ASI-348

DRAWING NUMBER

SKE
74a

JOB NUMBER 6017442

See also RFI-753

REF. DWG. E 10.1.1

DATE: 05/09/23 DRAWN: ERA CHECKED: KRJ

SCALE:



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

May 16, 2023

VIA EMAIL ONLY: cweber@consigli.com

Mr. Chris Weber, Project Manager
Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

RE: Job #2698 - Arlington High School, Arlington, MA
Proposal #214

Dear Mr. Weber:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

As reflected under ASI-348 furnish and install the additional branch circuitry and connections to the added condensate pumps.

Total \$ 2,118.31 ✓

No exception taken - Bala

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

2395 Pleasantdale Road
Suite 14
Doraville, GA 30340
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5313 or wpease@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Wayne A. Pease
Senior Project Manager

WP/law

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: John LaMarre, Senior Project Manager, Consigli Construction Company, Inc.,
JLaMarre@consigli.com
Jeremiah Kimball, Project Foreman, Wayne J. Griffin Electric, Inc.



CCN#: P-0214, ASI-348 Condensate Pumps
Date: 5/16/2023
Project Name: Arlington High School
Project Number: 02698-00-20
Page Number: 1

116 Hopping Brook Road, Holliston, MA 01746
 (508) 429-8830 FAX (508) 429-9251

Work Description

As reflected under ASI-348 furnish and install additional branch circuitry and connections to added condensate pumps.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
Field Layout/Coordination	0.00	0.0000	HRS	0.000	0.000	0.590
Phase Totals				0.00		0.59
3/4" EMT Pipe	20.00	1.7300	E	34.600	0.062	1.240
3/4" EMT S/S Connectors	2.00	1.0500	E	2.100	0.073	0.150
3/4" EMT S/S Couplings	1.00	2.4000	E	2.400	0.043	0.040
3/4" EMT Supports	3.00	0.5800	E	1.740	0.042	0.130
12/2 MC Cable	160.00	1.0300	E	164.800	0.022	3.520
MC Connectors	6.00	0.9300	E	5.580	0.200	1.200
MC Supports	27.00	1.6100	E	43.470	0.050	1.350
#12 THHN Cu Wire	60.00	0.7392	E	44.350	0.022	1.320
4" Sq Boxes	4.00	6.1500	E	24.600	0.400	1.600
4" Sq Blank Covers	4.00	1.1900	E	4.760	0.125	0.500
Box Supports	4.00	1.9800	E	7.920	0.060	0.240
Wire Connectors	9.00	0.1900	E	1.710	0.030	0.270
Ground Screw Pigtails	3.00	0.9300	E	2.790	0.060	0.180
Phase Totals				340.82		11.74
Totals				340.82		12.33
Tax				0.00		
Materials with Tax				340.82		

Summary

	Itemized Breakdown Total		340.82	✓
Electrical Journeyman	(12.3300 hrs @ \$98.15 / hr)	1,210.19		
			1,210.19	✓
Labor Burden	(\$1,210.19 @ 30.00%)	363.05		
		363.05		✓
Overhead & Profit	(\$1,914.06 @ 10.00%)	191.41		
		191.41		✓
Bond	(\$2,105.47 @ 0.61%)	12.84		
		12.84		✓
			567.30	✓
Total			\$2,118.31	✓

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 348

date: 5.9.2023

subject: Condensate piping revisions part A 1st and upper 1st floor levels

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☒ Other: Bala, RFS

reference: Drawings: P2.0a. M3.0a. E2.0a, E2.1a, E10.1.1, E10.1.2

attachments: Sketches: SKP-37. SKM-107a,b,c. SKE-73a,b, SKE-74a,b

OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Revisions at Part a regarding routing of various condensate drains (refer also to RFI-753):

Refer to Sketches SKP-037: Added condensate receptors at two locations.

Refer to Sketches SKM-107a,b,c: Revised routing, showing of routing of condensate drains.
Added three pumps.

Refer to Sketches SKE-73a,b: Added condensate pump connections.

Refer to Sketches SKE-74a,b: Circuit panel assignment for pump connections.

Panelboard: EL1A

Location: _____
Supply From: 30 kVA, 277 V/480 V, Three-Phase, 4-Wire _____
Mounting: Surface _____
Enclosure: Type 1 _____

Distribution System: 120/208 Vye
Phases: 3
Wires: 4
Modifications:

A.I.C. Rating: 10kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100

Notes	Wiring	Ckt No.	Load Description	Tip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Tip	Load Description	Ckt No.	Wiring	Notes
		1	EQUIPMENT	20 A	1	1500 / 1500	1500 / 1500	1500 / 1500	1	20 A	EQUIPMENT	2		
		3	UG-30R RECEPTACLE	30 A	2			1500 / 1500	2	30 A	UG-30R RECEPTACLE	4		
		5	RECEPTACLE SPACE 114	20 A	1	1500 / 1500		1500 / 1500	1	20 A	CARD READER POWER SUPPLY	6		
		7	CARD READER POWER SUPPLY	20 A	1	1500 / 1500	1500 / 500		1	20 A	EQUIPMENT	8		
		9	SMOKE/FIRE DAMPER	20 A	1			500 / 500	1	20 A	SMOKE/FIRE DAMPER	10		
		11	EQUIPMENT	20 A	1	500 / 500			1	20 A	EQUIPMENT	12		
		13	EQUIPMENT	20 A	1		180 / 180		1	20 A	EQUIPMENT SPACE 510	14		
		16	EQUIPMENT SPACE 112	20 A	1			500 / 180	1	20 A	EQUIPMENT	18		
		19	EQUIPMENT	20 A	1	180 / 180			1	20 A	EQUIPMENT	20		
		21	EQUIPMENT SPACE 284	20 A	1		180 / 180		1	20 A	EQUIPMENT	22		
		23	EQUIPMENT	20 A	1			180 / 180	1	20 A	EQUIPMENT SPACE 284	24		
		25	EQUIPMENT	20 A	1	180 / 180			1	20 A	EQUIPMENT SPACE 284	26		
		27	UG-30R RECEPTACLE	30 A	2		1500 / 1500		1	20 A	TELECOM BACK POWER	28		
		29	ACP	20 A	1	180 / 120		1500 / 1500	1	20 A	TELECOM BACK POWER	30		
		31	ACP	20 A	1				1	20 A	HVAC	32		
		33	UG-30R RECEPTACLE	30 A	1		180 / 180		1	20 A	FCU 2A4 / CONDENSATE PUMP	34		
		35	UG-30R RECEPTACLE	30 A	1			3000 / 1780	1	20 A	FCU 1A4 / CONDENSATE PUMP	36		
		37	SPARE	20 A	1	0 / 50			1	20 A	FCU 1A4	38		
		39	SPARE	20 A	1		0 / 0		1	20 A	SPARE	40		
		41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42		
			Load Per.			8670 VA	10768 VA	12803 VA						
Load Classification						Connected..	Demand..	Est. Demand	Panel Totals					
Chiller						1000 VA	35.00%	350 VA	TOTAL CONNECTED LOAD: 31638 VA					
HVAC						798 VA	75.00%	599 VA	TOTAL ESTIMATED DEMAND: 27089 VA					
EQUIPMENT						1880 VA	60.00%	940 VA	TOTAL ESTIMATED CURRENT: 38 A					
Receptacle						28900 VA	67.33%	19920 VA	TOTAL ESTIMATED DEMAND CURRENT: 35 A					

NOTES:

261
ASI

46
CCD

Condensate Pump
added to labeling
these two circuits

46
CCD

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1. $\mathcal{L}(\mathbf{y}|\mathbf{x}) = \sum_{i=1}^n \log p(y_i|\mathbf{x})$
 2. $\mathcal{L}(\mathbf{y}|\mathbf{x}) = \sum_{i=1}^n \log p(y_i|\mathbf{x})$
 3. $\mathcal{L}(\mathbf{y}|\mathbf{x}) = \sum_{i=1}^n \log p(y_i|\mathbf{x})$
 4. $\mathcal{L}(\mathbf{y}|\mathbf{x}) = \sum_{i=1}^n \log p(y_i|\mathbf{x})$
 5. $\mathcal{L}(\mathbf{y}|\mathbf{x}) = \sum_{i=1}^n \log p(y_i|\mathbf{x})$

HMFH ARCHITECTS

135 Winthrop Allen Drive
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617 495 2206

@HMFHurch hmfh.com

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Arlington High School
PANEL SCHEDULES PART A EMERGENCY

REF. DWG. E 10.1.1

See also RFI-753

ASI-348

DRAWING NUMBER

SKE
74a

JOB NUMBER 6017442

SCALE: DATE: 05/09/23 DRAWN: FRA CHECKED: KRD

Panelboard: MLOS1A

Location:
Supply From: MLOS2A
Mounting: Surface
Enclosure: Type 1

Distribution System: 120/208 Wye
Phases: 3
Wires: 4

AIC Rating: 10kAIC
Main Type: MCB
Main Rating: 100 A
MCB Rating: 100

Panelboard: MLOSI1A

Location: Supply From: MLOSI2A

Mounding: Surface

Enclosure: Type 1

Modifications:

Phases: 3

Wires: 4

AIC Rating: 10kAIC

Main Type: MCB

Main Rating: 100 A

MCB Rating: 100

Notes	Wiring	Qty	Lead Description	Tripp	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Tripp	Lead Description	Qty	Wiring	Notes
		1	BS-ERL-1	20 A	1	500 / 1500			1	20 A	WAV-R JUNCTION BOX	2		
		3	WAV-R JUNCTION BOX	20 A	1		1500 / 1500		1	20 A	WAV-R JUNCTION BOX	4		
		5	WAV-R JUNCTION BOX	20 A	1			1500 / 1500	1	20 A	WAV-R JUNCTION BOX	6		
		7	BS-ERL-1	20 A	1	500 / 1500			1	20 A	WAV-R JUNCTION BOX	8		
		9	BS-0-01A	20 A	2		40 / 1500		1	20 A	WAV-R JUNCTION BOX	10		
		11						40 / 1500	1	20 A	WAV-R JUNCTION BOX	12		
		13	BS-0-02A	20 A	2	100 / 2400			1	20 A	HEATING PANEL	14		
		15					100 / 1500		1	20 A	CONDENSATE PUMP	16		
		17	FAN F-18	20 A	1			53 / 0	1	20 A	CONDENSATE PUMP	18		
		19	SPARE	20 A	1	0 / 0			1	20 A	SPARE	20		
		21	SPARE	20 A	1		0 / 0		1	20 A	SPARE	22		
		23	SPARE	20 A	1			0 / 0	1	20 A	SPARE	24		
		25	SPARE	20 A	1	0 / 0			1	20 A	SPARE	26		
		27	SPARE	20 A	1		0 / 0		1	20 A	SPARE	28		
		29	SPARE	20 A	1			0 / 0	1	20 A	SPARE	30		
		31	SPARE	20 A	1	0 / 0			1	20 A	SPARE	32		
		33	SPARE	20 A	1		0 / 0		1	20 A	SPARE	34		
		35	SPARE	20 A	1			0 / 0	1	20 A	SPARE	36		
		37	SPARE	20 A	1	0 / 0			1	20 A	SPARE	38		
		39	SPARE	20 A	1		0 / 0		1	20 A	SPARE	40		
		41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42		

Lead Classification						Panel Totals					
Other						79 VA					
HVAC						3653 VA					
EQUIPMENT						12000 VA					
Receptacle						1500 VA					
TOTAL CONNECTED LOAD:						1722 VA					
TOTAL ESTIMATED DEMAND:						10567 VA					
TOTAL CONNECTED CURRENT:						49 A					
TOTAL ESTIMATED DEMAND CURRENT:						28 A					

NOTES:

NOTES:

317
ASI348
Spare circuit
assigned to
Condensate Pump
ASI

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100 Bishop Allen Drive
Cambridge, MA 02142
617 482 2350
bala.com

REF. DWG. E 10.1.2

See also RFI-753

ASI-348**HMPH ARCHITECTS****Arlington High School**

PANEL SCHEDULES PART A STANDBY

100 Bishop Allen Drive
Cambridge, MA 02142
617 482 2350
hmpfh.com

HM
FH

SCALE: DATE: 05/09/23 DRAWN: ERA CHECKED: KRQ

DRAWING NUMBER

SKE
74b

JOB NUMBER 6017442

Panelboard: MLOS1A

Location:
Supply From: MLOS2A
Mounting: Surface
Enclosure: Type 1

Distribution System: 120/208 Wye
Phases: 3
Wires: 4
Modifications:

A.I.C. Rating: 10kAIC
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100

Notes	Wiring	Ckt. No.	Load Description	Trip	Poles	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Trip	Load Description	Ckt. No.	Wiring	Notes
		1	JB ERU-4	20 A	1	500 / 1500			1	20 A	VAV-R JUNCTION BOX	2		
		3	VAV-R JUNCTION BOX	20 A	1		1500 / 1500		1	20 A	VAV-R JUNCTION BOX	4		
		5	VAV-R JUNCTION BOX	20 A	1			1500 / 1500	1	20 A	VAV-R JUNCTION BOX	6		
		7	JB HRU-11	20 A	1	500 / 1500			1	20 A	VAV-R JUNCTION BOX	8		
		9	BS-0.01A	20 A	2		40 / 1500		1	20 A	VAV-R JUNCTION BOX	10		
		11						40 / 1500	1	20 A	VAV-R JUNCTION BOX	12		
		13				100 / 2400			1	30 A	HEATING PANEL	14		
		15	BS-0.02A	20 A	2		100 / 1500		1	20 A	CONDENSATE PUMP	16		
		17	FAN F-16	20 A	1			53 / 0	1	20 A	SPARE	18		
-	-	19	SPARE	20 A	1	0 / 0			1	20 A	SPARE	20		
-	-	21	SPARE	20 A	1		0 / 0		1	20 A	SPARE	22		
-	-	23	SPARE	20 A	1			0 / 0	1	20 A	SPARE	24		
-	-	25	SPARE	20 A	1	0 / 0			1	20 A	SPARE	26		
-	-	27	SPARE	20 A	1		0 / 0		1	20 A	SPARE	28		
-	-	29	SPARE	20 A	1			0 / 0	1	20 A	SPARE	30		
-	-	31	SPARE	20 A	1	0 / 0			1	20 A	SPARE	32		
-	-	33	SPARE	20 A	1		0 / 0		1	20 A	SPARE	34		
-	-	35	SPARE	20 A	1			0 / 0	1	20 A	SPARE	36		
-	-	37	SPARE	20 A	1	0 / 0			1	20 A	SPARE	38		
-	-	39	SPARE	20 A	1		0 / 0		1	20 A	SPARE	40		
-	-	41	SPARE	20 A	1			0 / 0	1	20 A	SPARE	42		

Load Per... 6500 VA 6140 VA 4593 VA

Load Classification	Connected...	Demand...	Est. Demand	Panel Totals	
Other	79 VA	35.00%	28 VA	TOTAL CONNECTED LOAD:	17232 VA
HVAC	3653 VA	75.00%	2740 VA	TOTAL ESTIMATED DEMAND:	10267 VA
EQUIPMENT	12000 VA	50.00%	6000 VA	TOTAL CONNECTED CURRENT:	48 A
Receptacle	1500 VA	100.00%	1500 VA	TOTAL ESTIMATED DEMAND CURRENT	28 A

NOTES:

Spare circuit assigned to Condensate Pump

BALA ENGINEERS
130 Bishop Allen Drive
Cambridge, MA 02139
817 482 2200
@HMFHarch hmfh.com

See also RFI-753

REF. DWG. E 10.1.2

Arlington High School

PANEL SCHEDULES PART A STANDBY

HMFH ARCHITECTS

HMFH
130 Bishop Allen Drive
Cambridge, MA 02139
817 482 2200
@HMFHarch hmfh.com

ASI-348

DRAWING NUMBER

SKE 74b

JOB NUMBER 6017442

SCALE: DATE: 05/09/23 DRAWN: ERA CHECKED: KRD



Patrick J. Kennedy & Sons, Inc.
MECHANICAL CONTRACTORS

39 Gibson Street
Boston, MA 02122-1222
Ph: (617)265-5535

CCC - CR618R1
PROPOSED CHANGE ORDER

Number: 049-R1

Date: 8/8/23

Phone:

Job: 2020-21 Arlington HS Main Package

To: Chris Weber
Consgill Construction Co. Inc.
72 Sumner Street
Milford, MA 01757
Ph: 857-300-6900

Description: ASI 348 Changes

Source: ASI # 348

Additional costs associated with ASI 348- Condensate Piping Changes in Area 1A

8/18/23 Notes:

We disagree with the statement that we should have included the condensate piping in our bid based on the detail pasted into the A/E review of our proposal. This detail is for Horizontal Concealed VRF fan Coil Units, the units for which condensate drain piping is being added are ceiling cassette units. However in an effort to resolve this issue we have removed the M&L costs for the 3/4" piping associated these units as requested. We left the insulation costs in the proposal as there really was no way for our insulation subcontractor to figure these costs in their bid and they should not have to absorb these costs.

Description	Quantity	Unit	Unit Price	Price
Labor				\$7,110.17
Equipment				\$200.00
Material				\$3,586.87
Subcontract - Viking Insulation				\$3,514.29
			Subtotal:	\$14,411.33
	Mark-up	\$13,604.82	10.00%	\$1,360.48
	Mark-up on Subcontractor	\$3,514.29		\$0.00
	Bond Cost	\$15,771.81	1.50%	\$236.58
			Total:	\$16,008.39

If you have any questions, please contact me at 617-446-8000.

Submitted by: Patrick Kennedy
Patrick J. Kennedy & Sons, Inc

Approved by: _____
Date: _____



Patrick J. Kennedy & Sons, Inc.
MECHANICAL CONTRACTORS

39 Gibson Street
 Boston, MA 02122-1222
 Ph: (617)265-5535

CCC - CR618
PROPOSED CHANGE ORDER

Number: 49

Date: 6/3/23

Phone:

Job: 2020-21 Arlington HS Main Package

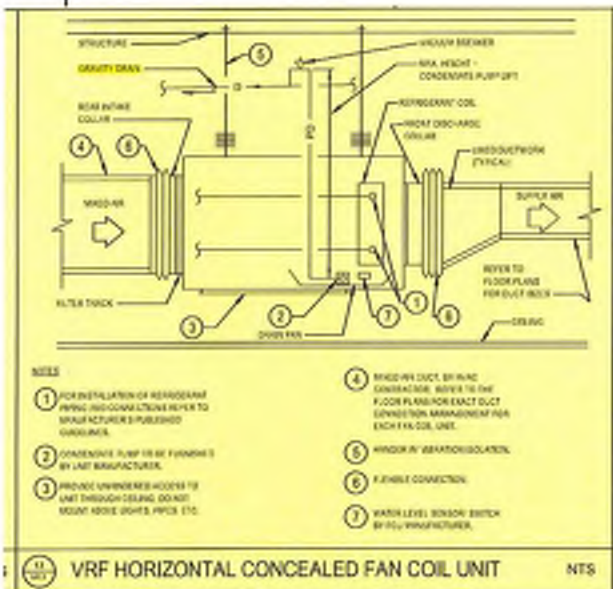
To: Chris Weber
 Consigli Construction Co. Inc.
 72 Sumner Street
 Milford, MA 01757
 Ph: 857-300-6900

Description: ASI 348 Changes

Source: ASI # 348

Additional costs associated with ASI 348- Condensate Piping Changes in Area 1A

Description	Quantity	Unit	Unit Price	Price
Labor				\$8,892.76
Equipment				\$575.00
Material				\$4,137.06
Subcontract - Viking Insulation				\$3,514.29
			Subtotal:	\$17,119.11
Mark-up	\$13,604.82	10.00%		\$1,360.48
Mark-up on Subcontractor	\$3,514.29	5.00%		\$175.71
Bond Cost	\$18,655.30	1.50%		\$279.83
			Total:	\$18,935.13



RFCU's condensate drains: Since Detail shows condensate drain: some quantity of drain pipe would be assumed required. The route is not indicated on the drawings and so LF/size takeoff could not be quantified fully during Bid... Generally, the routing shown for the 3/4" RFCU condensate drains is the shortest reasonably inferable route/LF.

The interior HRU also would be assumed to have a condensate drain, however, since there is no detail specifically for interior HRU units it is understandable that bidding might not have anticipated the pipe need and size.

We propose that the costs associated with the HRCU units drains (3/4" pipe, labor/ insulation matts and labor be negated due to the drain being owned in the detail 13/M0.3 and the routing being shortest reasonable assumed routing. We propose that the costs associated with the 1 1/2" drain from the HRU-14 be maintained as an added cost.

If you have any questions, please contact me at 617-446-8000.

Submitted by: Patrick Kennedy
 Patrick J. Kennedy & Sons, Inc

Approved by: _____
 Date: _____

COST SUMMARY

Description	ASI 348					
Job Name	Arlington HS					
General	Consigli Construction					
Labor				Hours	Rate	Total
Project Manager	Hr	ST		0.0	\$ 130.00	\$ -
Cadd Draftsman	Hr	ST		8.0	\$ 140.33	\$ 1,122.64
Pipefitter Foreman	Hr	ST		0.0	\$ 140.33	\$ -
Pipefitter Foreman	Hr	OT		3.0	\$ 183.19	\$ 549.57
Pipefitter Foreman	Hr	DT		0.0	\$ -	\$ -
Pipefitter Journeyman	Hr	ST		0.0	\$ 120.13	\$ -
Pipefitter Journeyman	Hr	OT		34.0	\$ 159.94	\$ 5,437.96
Pipefitter Journeyman	Hr	DT		0.0	\$ -	\$ -
Truck Driver	Hr	ST		0.0	\$ 60.00	\$ -
					Total Labor	\$ 7,110.17
Equipment						
Burning & Welding Equipment	Day			0.0	\$ 120.00	\$ -
Scissor Lift	WK			1.0	\$ 200.00	\$ 200.00
Rigid Press Tool	Day			0.0	\$ 75.00	\$ -
					Total Equipment	\$ 200.00
Materials	Description	UM	QTY	UNIT PRICE		TOTAL
	Material					\$ 3,586.87
						\$ -
					Total Material	\$ 3,586.87

PipeDetail

Company: P.J. Kennedy & Sons Co., Inc.
 JobName: O:\FastEST-Remote.site\Jobs\AHS - ASI 348R.job
 Material Set: Factor 2
 Labor Set: Factor #2
 Run Date: 8/18/2023 16:22
 Sort Key: By Area/Spec ☐ Subtotals



Area/Spec	Qty	Size	Description	Matl Group	Wt	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
Leve1 - Area A/ CHSCHR5	127	1½	Type L Hard Copper Tube	coptub	144.5	\$ 25.54	0.55	\$ 14.05	\$ 1,780.21	0.06	7.6	1.00	7.6
Leve1 - Area A/ CHSCHR5	10	1½	Viega ProPress 90 Ell	proprs	7.9	\$ 60.03	0.60	\$ 36.02	\$ 360.18	0.18	1.8	1.00	1.8
Leve1 - Area A/ CHSCHR5	2	1½	Viega ProPress Tee	proprs	2.2	\$ 78.44	0.60	\$ 47.06	\$ 94.13	0.22	0.4	1.00	0.4
Leve1 - Area A/ CHSCHR5	3	1½	Viega ProPress Coupling	proprs	1.5	\$ 31.44	0.60	\$ 18.86	\$ 56.59	0.16	0.5	1.00	0.5
Leve1 - Area A/ CHSCHR5	3	1½	Viega ProPress ZL Bronze Female Adapter	proprs	2.2	\$ 67.54	0.60	\$ 40.52	\$ 121.57	0.18	0.5	1.00	0.5
Leve1 - Area A/ CHSCHR5	35	1½	ProPress Joint	joint	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/ CHSCHR5	3	1½	Female Iron Pipe Thread Joints	joint	0.0	\$ 0.19	1.00	\$ 0.19	\$ 0.57	0.00	0.0	1.00	0.0
Leve1 - Area A/ CHSCHR5	3	<None>	CP Cond Pump	job	0.0	\$185.00	1.00	\$185.00	\$ 555.00	2.00	6.0	1.00	6.0
Leve1 - Area A/ CHSCHR5	20	1½	Suspended Hanger		0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/ CHSCHR5	20	3½	+ Plain Standard Clevis Hanger	hanger	28.4	\$ 20.16	0.50	\$ 10.08	\$ 201.60	0.40	8.0	1.00	8.0
Leve1 - Area A/ CHSCHR5	40	¾	+ Hex Nuts	frwhgr	0.0	\$ 0.31	1.00	\$ 0.31	\$ 12.32	0.00	0.0	1.00	0.0
Leve1 - Area A/ CHSCHR5	40	¾	+ Plain Washer	frwhgr	0.0	\$ 0.27	1.00	\$ 0.27	\$ 10.80	0.00	0.0	1.00	0.0
Leve1 - Area A/ CHSCHR5	20	¾	+ Plain Wide Jaw Top C-Clamp	uppera	10.8	\$ 13.07	0.30	\$ 3.92	\$ 78.42	0.20	4.0	1.00	4.0
Leve1 - Area A/ CHSCHR5	80	¾	+ Plain Threaded Rod	blin6	0.0	\$ 2.20	0.30	\$ 0.66	\$ 52.68	0.02	1.6	1.00	1.6
Leve1 - Area A/ CHSCHR5	20	3½ x12	+ Galv Insulation Prot Shield	shield	20.8	\$ 43.80	0.30	\$ 13.14	\$ 262.80	0.17	3.4	1.00	3.4
					218.3				\$ 3,586.87		33.9		33.9

Viking Industries Inc.

PO Box 32
Barrington, RI 02806
p 401-246-1855
f 401-246-1366

To: PJ KENNEDY

Change Order
Date: 5/16/23

Attn: PATRICK

Project Name: ARLINGTON HIGH SCHOOL
ARLINGTON, MA
Description: ASI 348
PIPING REVISION 1ST FLOOR A

The price to insulate the above stated work is as follows:


	Add	Deduct	Total
LABOR:	\$2,930.00	(\$1,170.00)	\$1,760.00
MATERIALS:	\$1,921.12	(\$651.94)	\$1,269.18
TOTAL	\$4,851.12	(\$1,821.94)	\$3,029.18
MARK UP: 10%	\$485.11	\$0.00	\$485.11
TOTAL PRICE:	\$5,336.23	(\$1,821.94)	\$3,514.29

Any lost time due to Overtime must add 15 percent to the price above.

Quote is void if not accepted within 30 days.

This quote is based on material pricing at the time of quote, any increases after the 30 day period will be added to the price.

If you have any questions please call. Thank You.


Douglas N Carlson, CEO

Change Order

Viking Industries Inc.
PO Box 32
Barrington, RI 02806
p 401-246-1855
f 401-246-1366

Page 2

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Patrick J. Kennedy & Sons, Inc.
MECHANICAL CONTRACTORS

39 Gibson Street
Boston, MA 02122-1222
Ph : (617)265-5535

CCC - CR618R1
PROPOSED CHANGE ORDER

Number: 49

Date: 6/3/23

Phone:

Job: 2020-21 Arlington HS Main Package

To: Chris Weber
Consgili Construction Co. Inc.
72 Sumner Street
Milford, MA 01757
Ph: 857-300-6900

Description: ASI 348 Changes

Source: ASI # 348

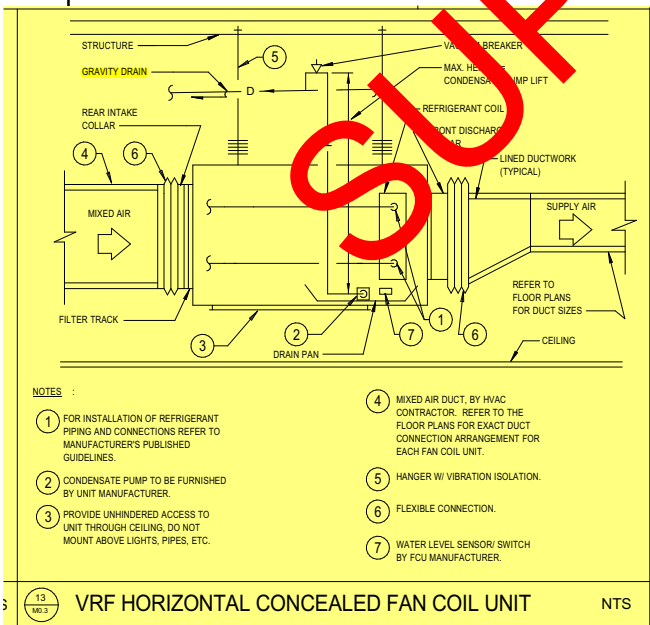
Additional costs associated with ASI 348- Condensate Piping Chnages in Area 1A

Description	Quantity	Unit	Unit Price	Price
Labor				\$8,892.76
Equipment				\$575.00
Material				\$4,137.06
Subcontract - Viking Insulation				\$3,514.29
			Subtotal:	\$17,119.11
	Mark-up	\$13,604.82	10.00%	\$1,360.48
	Mark-up on Subcontractor	\$3,514.29	5.00%	\$175.71
	Bond Cost	\$18,655.30	1.50%	\$279.83
			Total:	\$18,935.13

RFCU's condensate drains: Since Detail shows condensate drain: some quantity of drain pipe would be assumed required. The route is not indicated on the drawings and so LF/size takeoff could not be quantified fully during Bid... Generally, the routing shown for the 3/4" RFCU condensate drains is the shortest reasonably inferable route/LF.

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We propose that the costs associated with the HRCU units drains (3/4" pipe, labor/ insulation mat'ls and labor be negated due to the drain being owned in the detail 13/M0.3 and the routing being shortest reasonable assumed routing. We propose that the costs associated with the 1 1/2" drain from the HRU-14 be maintained as an added cost.



If you have any questions, please contact me at 617-446-8000.

Submitted by: Patrick Kennedy
Patrick J. Kennedy & Sons, Inc

Approved by: _____
Date: _____

COST SUMMARY

[illegible]

The LF value take offs calculated for added/deleted 3/4" piping and added 1 1/2" piping appear acceptable. - Bala

Company: P.J. Kennedy & Sons Co., Inc.
JobName: O:\FastEST-Remote.site\Jobs\AHS - ASI 348.job
Material Set: Factor 2
Labor Set: Factor #2
Run Date: 6/3/2023 19:47
Sort Key: By Area/System

 Subtotals



Area/System	Qty	Size	Description	Matl Group	Wt	Unit	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
Leve1 - Area A/Cond Piping Adds	163	¾	Type L Hard Copper Tube	coptub	74.2	\$ 10.12	0.55	\$ 5.57	\$ 907.11	0.05	8.1	1.00	8.1
Leve1 - Area A/Cond Piping Adds	7	1	Type L Hard Copper Tube	coptub	4	\$ 14.43	0.55	\$ 7.94	\$ 52.97	0.06	0.4	1.00	0.4
Leve1 - Area A/Cond Piping Adds	127	1½	Type L Hard Copper Tube	coptub	144.2	\$ 25.03	0.55	\$ 13.77	\$ 1,744.66	0.06	7.6	1.00	7.6
Leve1 - Area A/Cond Piping Adds	24	¾	Viega ProPress 90 Ell	prop90	4.8	\$ 7.89	0.60	\$ 4.73	\$ 113.62	0.15	3.6	1.00	3.6
Leve1 - Area A/Cond Piping Adds	10	1½	Viega ProPress 90 Ell	prop90	1.9	\$ 36.02	0.60	\$ 36.02	\$ 360.18	0.18	1.8	1.00	1.8
Leve1 - Area A/Cond Piping Adds	2	¾	Viega ProPress 45 Ell	prop45	0.3	\$ 6.95	0.60	\$ 4.17	\$ 8.34	0.15	0.3	1.00	0.3
Leve1 - Area A/Cond Piping Adds	8	¾	Viega ProPress Tee	prop90	2.7	\$ 13.06	0.60	\$ 7.84	\$ 62.69	0.19	1.5	1.00	1.5
Leve1 - Area A/Cond Piping Adds	2	1½	Viega ProPress Tee	prop90	2.2	\$ 78.44	0.60	\$ 47.06	\$ 94.13	0.22	0.4	1.00	0.4
Leve1 - Area A/Cond Piping Adds	2	¾	Viega ProPress Coupling	prop90	0.3	\$ 6.67	0.60	\$ 4.00	\$ 8.00	0.14	0.3	1.00	0.3
Leve1 - Area A/Cond Piping Adds	3	1½	Viega ProPress Coupling	prop90	1.5	\$ 31.44	0.60	\$ 18.86	\$ 56.59	0.16	0.5	1.00	0.5
Leve1 - Area A/Cond Piping Adds	3	1½	Viega ProPress ZL Bronze Female Adapter	prop90	2.2	\$ 67.54	0.60	\$ 40.52	\$ 121.57	0.18	0.5	1.00	0.5
Leve1 - Area A/Cond Piping Adds	2	1x¾	Viega ProPress Reducing Tee	prop90	0.8	\$ 27.20	0.60	\$ 16.32	\$ 32.64	0.21	0.4	1.00	0.4
Leve1 - Area A/Cond Piping Adds	82	¾	ProPress Joint	joint	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	4	1	ProPress Joint	joint	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	35	1½	ProPress Joint	joint	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	3	1½	Female Iron Pipe Thread Joint	joint	0.0	\$ 0.19	1.00	\$ 0.19	\$ 0.57	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	3	<None>	CP Cond Pump	job	0.0	\$185.00	1.00	\$185.00	\$ 555.00	2.00	6.0	1.00	6.0
Leve1 - Area A/Cond Piping Adds	28	¾	Suspended Hanger	hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	28	3	+ Plain Standard Clevis Hanger	hanger	37.2	\$ 18.72	0.50	\$ 9.36	\$ 262.08	0.40	11.2	1.00	11.2
Leve1 - Area A/Cond Piping Adds	56	¾	+ Hex Nuts	fnwhgr	0.0	\$ 0.18	1.00	\$ 0.18	\$ 10.30	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	56	¾	+ Plain Washer	fnwhgr	0.0	\$ 0.27	1.00	\$ 0.27	\$ 15.12	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	28	¾	+ Plain Wide Jaw Top C-Clamp	uppera	15.1	\$ 13.07	0.30	\$ 3.92	\$ 109.79	0.20	5.6	1.00	5.6
Leve1 - Area A/Cond Piping Adds	112	¾	+ Plain Threaded Rod	blin6	0.0	\$ 2.20	0.30	\$ 0.66	\$ 73.75	0.02	2.2	1.00	2.2
Leve1 - Area A/Cond Piping Adds	28	3x12	Galv Insulation Prot Shield	shield	25.8	\$ 40.87	0.30	\$ 12.26	\$ 343.31	0.17	4.8	1.00	4.8
Leve1 - Area A/Cond Piping Adds	20	1½	Suspended Hanger	hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	20	3½	+ Plain Standard Clevis Hanger	hanger	28.4	\$ 20.16	0.50	\$ 10.08	\$ 201.60	0.40	8.0	1.00	8.0
Leve1 - Area A/Cond Piping Adds	40	¾	+ Hex Nuts	fnwhgr	0.0	\$ 0.18	1.00	\$ 0.18	\$ 7.36	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	40	¾	+ Plain Washer	fnwhgr	0.0	\$ 0.27	1.00	\$ 0.27	\$ 10.80	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Adds	20	¾	+ Plain Wide Jaw Top C-Clamp	uppera	10.8	\$ 13.07	0.30	\$ 3.92	\$ 78.42	0.20	4.0	1.00	4.0
Leve1 - Area A/Cond Piping Adds	80	¾	+ Plain Threaded Rod	blin6	0.0	\$ 2.20	0.30	\$ 0.66	\$ 52.68	0.02	1.6	1.00	1.6
Leve1 - Area A/Cond Piping Adds	20	3½x12	+ Galv Insulation Prot Shield	shield	20.8	\$ 43.80	0.30	\$ 13.14	\$ 262.80	0.17	3.4	1.00	3.4
Leve1 - Area A/Cond Piping Deducts	-115	¾	Type L Hard Copper Tube	coptub	-52.4	\$ 10.12	0.55	\$ 5.57	\$ (640.84)	0.05	-5.8	1.00	-5.8
Leve1 - Area A/Cond Piping Deducts	-11	¾	Viega ProPress 90 Ell	prop90	-2.2	\$ 7.89	0.60	\$ 4.73	\$ (52.07)	0.15	-1.7	1.00	-1.7
Leve1 - Area A/Cond Piping Deducts	-5	¾	Viega ProPress Tee	prop90	-1.7	\$ 13.06	0.60	\$ 7.84	\$ (39.18)	0.19	-0.9	1.00	-0.9
Leve1 - Area A/Cond Piping Deducts	-2	¾	Viega ProPress Coupling	prop90	-0.3	\$ 6.67	0.60	\$ 4.00	\$ (8.00)	0.14	-0.3	1.00	-0.3
Leve1 - Area A/Cond Piping Deducts	-41	¾	ProPress Joint	joint	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Deducts	-23	¾	Suspended Hanger	hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Deducts	-23	3	+ Plain Standard Clevis Hanger	hanger	-30.6	\$ 18.72	0.50	\$ 9.36	\$ (215.28)	0.40	-9.2	1.00	-9.2
Leve1 - Area A/Cond Piping Deducts	-46	¾	+ Hex Nuts	fnwhgr	0.0	\$ 0.18	1.00	\$ 0.18	\$ (8.46)	0.00	0.0	1.00	0.0

Area/System	Qty	Size	Description	Matl Group	Wt	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
Leve1 - Area A/Cond Piping Deducts	-46	3/8	+ Plain Washer	fnwhgr	0.0	\$ 0.27	0.00	\$ 0.27	\$ (12.42)	0.00	0.0	1.00	0.0
Leve1 - Area A/Cond Piping Deducts	-23	3/8	+ Plain Wide Jaw Top C-Clamp	uppera	-12.4	\$ 13.07	0.30	\$ 9.02	\$ (90.18)	0.20	-4.6	1.00	-4.6
Leve1 - Area A/Cond Piping Deducts	-92	3/8	+ Plain Threaded Rod	bline6	0.0	\$ 2.00	0.30	\$ 0.60	\$ (60.58)	0.02	-1.8	1.00	-1.8
Leve1 - Area A/Cond Piping Deducts	-23	3x12	+ Galv Insulation Prot Shield	shield	-21.2	\$ 40.80	0.00	\$ 12.26	\$ (282.00)	0.17	-3.9	1.00	-3.9
					263.1				\$ 4,137.06		44.1		44.1

SUPERSEDED

Viking Industries Inc.

PO Box 32
Barrington, RI 02806
p 401-246-1855
f 401-246-1366

To: PJ KENNEDY

Change Order

Date: 5/16/23

Attn: PATRICK

Project Name: ARLINGTON HIGH SCHOOL
ARLINGTON, MA
Description: ASI 348
PIPING REVISION 1ST FLOOR A

The price to insulate the above stated work is as follows:

	Add	Deduct	Total
LABOR:	\$2,930.00	(\$1,170.00)	\$1,760.00
MATERIALS:	\$1,921.12	(\$651.94)	\$1,269.18
TOTAL	\$4,851.12	(\$1,821.94)	\$3,029.18
MARK UP: 10%	\$485.11	\$0.00	\$485.11
TOTAL PRICE:	\$5,336.23	(\$1,821.94)	\$3,514.29

Any lost time due to Overtime must add 15 percent to the price above.

Quote is void if not accepted within 30 days.

This quote is based on material pricing at the time of quote, any increases after the 30 day period will be added to the price.

If you have any questions please call. Thank You.



Douglas N Carlson, CEO

Rejected

Attn: PATRICK

[illegible]

Submitted By: Leonard E Carlson, President

Job:	ARLINGTON HIGH SCHOOL		Job #:		
	ARLINGTON, MA		Ref #:		
Desc:	ASI 348		5/16/23		
PIPING REVISION 1ST FLOOR A					
Material:	Description	Quantity	Price/Unit	Extension	Totals
3/4X1 1/2 FIBERGLASS PIPE INSULATION		-123	4.84	\$ (595.32)	
#10 PVC FITTING COVERS		-19	2.98	\$ (56.62)	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
Equipment				\$ -	
Other Charges:				\$ -	
SUBTOTAL				\$ (651.94)	
Taxes				\$ -	
TOTAL MATERIAL				\$ (651.94)	(\$651.94)
Labor:					
		Rate	Hours	Extension	
Insulator		\$145.00	-8	\$ (1,160.00)	
Supervisory, Estimating		\$113.53		\$ -	
Other: Trucking per hour		\$15.00		\$ -	
Insurance, Taxes, Workers Comp		0%		\$ -	
SUBTOTAL LABOR				\$ (1,160.00)	
Mileage per day		\$10.00	-1	\$ (10.00)	
Board				\$ -	
TOTAL LABOR				\$ (1,170.00)	(\$1,170.00)
TOTAL LABOR & MATERIALS:					\$ (1,821.94)
Overhead:		0%			\$ -
Subtotal before Profit:					\$ (1,821.94)
Profit		0%			\$ -
TOTAL PRICE					(\$1,821.94)
NOTE: Due to the Fire at the Johns Manville Plant we can not guarantee deliveries of pipe covering. Viking is not responsible for any delays caused by this fire and any increases will be passed along and not absorbed by Viking. This quote is based on material pricing at the time of quote and availability when required. Quote is void if not accepted within 30 days.					



CCC - CR618R1
PCO #039

E. Amanti & Sons, Inc.
390 Highland Ave.
Salem, Massachusetts 01970
Phone: (978) 745-4144

Project: 2054 - Arlington, High School PL
869 Massachusetts Avenue
Arlington, Massachusetts 02476

Prime Contract Potential Change Order #039: ASI 348 condensate drain changes.

TO:	Consigli Construction Co. Inc. 72 Sumner Street Milford, Massachusetts 01757	FROM:	E. Amanti & Sons, Inc. 390 Highland Ave. Salem, Massachusetts 01970
PCO NUMBER/REVISION:	039 / 0	CONTRACT:	1 - Arlington, High School PL
REQUEST RECEIVED FROM:	Chris Weber (Consigli Construction Co. Inc.)	CREATED BY:	Gary Prescott (E. Amanti & Sons, Inc.)
STATUS:	Pending - In Review	CREATED DATE:	5/23/2023
REFERENCE:	ASI 348	PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		PAID IN FULL:	No
EXECUTED:	No	SIGNED CHANGE ORDER RECEIVED DATE:	
		TOTAL AMOUNT:	\$3,936.00

POTENTIAL CHANGE ORDER TITLE: ASI 348 condensate drain changes.

CHANGE REASON: Client Request

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*

ASI 348 condensate drain changes.

ATTACHMENTS:

#	Budget Code	Description	Amount
1	G.22-220090.O General.Plumbing General Conditions.Other	ASI 348 condensate drain changes.	\$3,936.00
Grand Total:			\$3,936.00

Arthur Duffy (HMFH Architects)

Consigli Construction Co. Inc.
72 Sumner Street
Milford, Massachusetts 01757

E. Amanti & Sons, Inc.
390 Highland Ave.
Salem, Massachusetts 01970

SIGNATURE

DATE

SIGNATURE

DATE

SIGNATURE

DATE

2153		CM AT RISK ONLY CCC - CR618R1	
PROJECT NAME	Arlington HS	PROJECT NO.	
		CONSTR. MGR	Consigli Construction
PCO NUMBER		PCO DESC.	ASI 348 condensate drain changes.
PCO DATE			
FORMAT FOR SUBMISSION OF CHANGE ORDER			
WORK OF <u>SUBCONTRACTOR</u> AND/OR <u>CONSTRUCTION MANAGER</u>			
NAME OF FIRM SUBMITTING CHANGE ORDER	E. Amanti & Sons Inc.		

1. DIRECT LABOR: SUBCONTRACTOR:

Use only Prevailing Wage Rates or Owner-Approved Wages and Rates

Applicable Prevailing Wage Rate for each Trade and Classification MUST be completed!

Allowable Excess fringes are those fringes required to be paid per union contract which exceed the contract prevailing wage and have been approved by Owner

Trade	Classification	Total Hrs. Worked	Prevailing Wage Rate (Per Contract Specs) THIS FIELD IS REQUIRED	These values shall be taken from the Rate Approval Sheet, after its approval by Owner.				Total Direct Labor Cost
				Base Wage Rate for Ins/Taxes (Item I from Wage Approval Sheet)	Approved Excess Fringes per Hour (Item K from Wage Approval Sheet)	Total Cost for Base Wages (subject to ins/taxes)	Total Cost for Approved Excess Fringes	
Plumbing	Journeyman	8.00	\$ 97.62			\$ 780.96	\$ -	\$ 780.96
Plumbing	Foreman	2.00	\$ 115.65			\$ 231.30	\$ -	\$ 231.30
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
						\$ -	\$ -	\$ -
TOTAL BASE, EXCESS AND DIRECT LABOR COSTS						\$ 1,012.26	\$ -	\$ 1,012.26

2. MATERIALS: SUBCONTRACTOR: (For extensive material lists, attach detailed backup and enter as a lump sum below)

Material Description	Qty	Unit	Cost Per Unit	Total
18" x 18" access panel	2.00	Each	\$ 78.00	\$ 156.00
6" x 4" NH y	1.00	Each	\$ 215.80	\$ 215.80
4" NH 1/8 bend	1.00	Each	\$ 51.90	\$ 51.90
4" NH 1/4 bend	1.00	Each	\$ 70.60	\$ 70.60
4" NH p-trap	1.00	Each	\$ 193.40	\$ 193.40
4" NH backwater valve	1.00	Each	\$ 674.20	\$ 674.20
4" x 10' NH pipe	1.00	Each	\$ 416.20	\$ 416.20
6" NH Husky Clamps	2.00	Each	\$ 81.40	\$ 162.80
4" NH husky clamps	8.00	Each	\$ 34.90	\$ 279.20
				\$ -
				\$ -
				\$ -

Labor & Material values were compared to similar scope of work submitted in CR245. Due to the larger pipe size for receptor connection, the increase cost appear acceptable - Bala

TOTAL MATERIALS COST: \$ 2,220.10

3. EQUIPMENT: SUBCONTRACTOR: (For extensive equipment lists, attached detailed backup and enter as a lump sum below)

Equipment Description	Qty	Unit	Cost Per Unit	Total
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -

TOTAL EQUIPMENT COST: \$ -

4. SUB TOTAL SUBCONTRACTOR DIRECT COST FOR ITEMS 1., 2. & 3.:

SUB TOTAL: \$ 3,232.36

5. MISC. LUMP SUM SERVICES PROVIDED TO SUBCONTRACTOR (POLICE DETAIL, UTILITIES, ETC.):

Description of Miscellaneous Lump Sum Service - attach backup	Total
	\$ -
	\$ -

2153		CM AT RISK ONLY CCC - CR618R1	
PROJECT NAME	Arlington HS	PROJECT NO.	
		CONSTR. MGR	Consigli Construction
PCO NUMBER		PCO DESC.	ASI 348 condensate drain changes.
PCO DATE			

FORMAT FOR SUBMISSION OF CHANGE ORDER
WORK OF SUBCONTRACTOR AND/OR CONSTRUCTION MANAGER

NAME OF FIRM SUBMITTING CHANGE ORDER	E. Amanti & Sons Inc.
--------------------------------------	-----------------------

	\$ -
	\$ -

TOTAL MISC. LUMP SUM SERVICES COST: \$ -

6. SUB ALLOWED 5% O&P Mark Up - MISC. LUMP SUM SERVICES: 5.00% \$ -

7. SUB TOTAL SUBCONTRACTOR LINE ITEMS 4., 5. & 6.: SUB TOTAL: \$ 3,232.36 ✓

8. INSURANCE AND TAXES ON SUBCONTRACTOR BASE LABOR ONLY:
Total Base Wages Subject to Insurance and Taxes from Item 1 above (If zero, use total direct labor cost) \$ 1,012.26 ✓
Insurance & Taxes Rate (30% unless a higher rate has been formally approved by Owner) 30.00%

TOTAL COST INSURANCE AND TAXES \$ 303.68 ✓

9. OTHER APPROVED SUBCONTRACTOR DIRECT LABOR EXCESS FRINGE BENEFITS:
(i.e.: Apprentice Training, Education Fund, Legal, Travel, ETC.) --> excess fringes from Item 1 above TOTAL EXCESS FRINGE BENEFITS: \$ - ✓

10. OVERHEAD AND PROFIT OF SUBCONTRACTOR:
Subcontractor can charge 10% of actual total cost of Item 4. For a net CREDIT change order amount, use 0% 10.00% x ITEM 4: \$ 323.24 ✓

11. TOTAL OF ITEMS 7., 8. (A. or B.), 9. and 10. TOTAL COST OF WORK PERFORMED BY SUBCONTRACTOR: \$ 3,859.27 ✓

11a. SUBCONTRACTOR PREMIUM FOR BOND
Required for CM trade subcontractors
Percentage of approved bond x item 11. 2.00% x ITEM 11: \$ 77.19 ✓

12 TOTAL COST OF WORK PERFORMED BY SUBCONTRACTOR, INCLUDING BOND COST
Enter the Value of Item 12 on the Summary Sheet \$ 3,936.00 ✓
ROUNDED TO NEAREST DOLLAR

NOTE:

ALL change order proposals and invoices from the CONSTRUCTION MANAGER AND/OR SUBCONTRACTORS must include a cover letter on company letterhead identifying the PCO number, a description of the scope of work and the total cost of the proposed change order from that company. This information must be completed by every contractor doing work created by the change.

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 348

date: 5.9.2023

subject: Condensate piping revisions part A 1st and upper 1st floor levels

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☒ Other: Bala, RFS

reference: Drawings: P2.0a. M3.0a. E2.0a, E2.1a, E10.1.1, E10.1.2

attachments: Sketches: SKP-37. SKM-107a,b,c. SKE-73a,b, SKE-74a,b

OFFICE. (617) 492 2200
FAX. (617) 876 9775

130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Revisions at Part a regarding routing of various condensate drains (refer also to RFI-753):

Refer to Sketches SKP-037: Added condensate receptors at two locations.

Refer to Sketches SKM-107a,b,c: Revised routing, showing of routing of condensate drains.
Added three pumps.

Refer to Sketches SKE-73a,b: Added condensate pump connections.

Refer to Sketches SKE-74a,b: Circuit panel assignment for pump connections.



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR648
Date: 7/17/23
Job: 2153 Arlington High School
Phone:

Description: ASI-369 - Changes to Size of Steel Sec Plate at Stair 1 Roof Top Access Enclosure (PH2)_Sub. 082423

Source: ASI # 369

We offer the following specifications and pricing to make the changes as described below:

CR648 includes Avid Ironworks costs associated with ASI-369 - Changes to Size of Steel Sec Plate at Stair 1 Roof Top Access Enclosure (PH2) issued by HMFH on 7.13.23. Avids costs are associated with enlarging the security plate per ASI 369's dimensions. CCC will not proceed until formal owner direction is provided. Please see attached pricing and associated backup for additional information.

Qualifications + Assumptions:

- No overtime/acceleration

Description	Labor	Material	Equipment	Subcontract	Other	Price
Avid Ironworks - RCO#024 dated 8/23/23				\$825.00		\$825.00
					Subtotal:	\$825.00
			Bond (.75%)	\$825.00		\$6.19
			General Liability (1.2%)	\$825.00		\$9.90
			Subguard (1.4%)	\$825.00		\$0.00
			OH&P (5% subs, 10% self perform)	\$841.09		\$42.05
					Total:	\$883.14

☐ SCHEDULE IMPACT

☐ We have proceeded with this change to achieve schedule.

☒ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

By

08/25/2023

Date

(Signature)

John LaMarre

By

8/23/23

Date

(Signature)

By

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford, MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com

Albany NY • Boston MA • Caribbean • Hartford CT • Milford MA • New York NY • Pleasant Valley NY • Portland ME • Ronkonkoma NY • Washington DC • Westchester NY

REQUEST FOR CHANGE ORDER

Avid Ironworks, Inc.
40 Rose Street
Springfield, MA 01104-1743

Date: 8/23/23
Project: Arlington High School
Location: Arlington, MA
General Contractor: Consigli
RCO#: 24

Request to change (add) the following work to the original contract :

Enlarge security plate per ASI-369

Shop Drawings-----	\$200.00
Material-----	\$125.00
Shop Labor-----	\$150.00
Field Labor-----	\$260.00
Subtotal-----	\$735.00
10% OH & P-----	\$ 75.00
Subtotal-----	\$810.00
P&P Bond Premium-----	\$ 15.00
Total-----	\$825.00



Estimated total cost of change order \$825.00



We agree with the above listed change order and the associated costs and direct Avid Ironworks to proceed with the above listed work. The above additional work to be performed under the same conditions as specified in the original contract unless otherwise stipulated.

All work will begin after a signed contract change order from the general contractor/owner has been received.

Avid Ironworks, Inc.

Signature

Printed Name

Title

Date

General Contractor

Signature

Printed Name

Title

Date

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 369

date: 7.13.2023

subject: Changes to size of steel security plate at Stair 1 roof top access enclosure.

to: Chris Weber

from: David Roach

project id: 408417

project: Arlington High School

distribution: ☒ Skanska

☒ HMFH Architects

☒ Consigli

☒ Other: Bala

reference: 6/A10.1.2

attachments: SKA-303

OFFICE. (617) 492 2200

FAX. (617) 876 9775

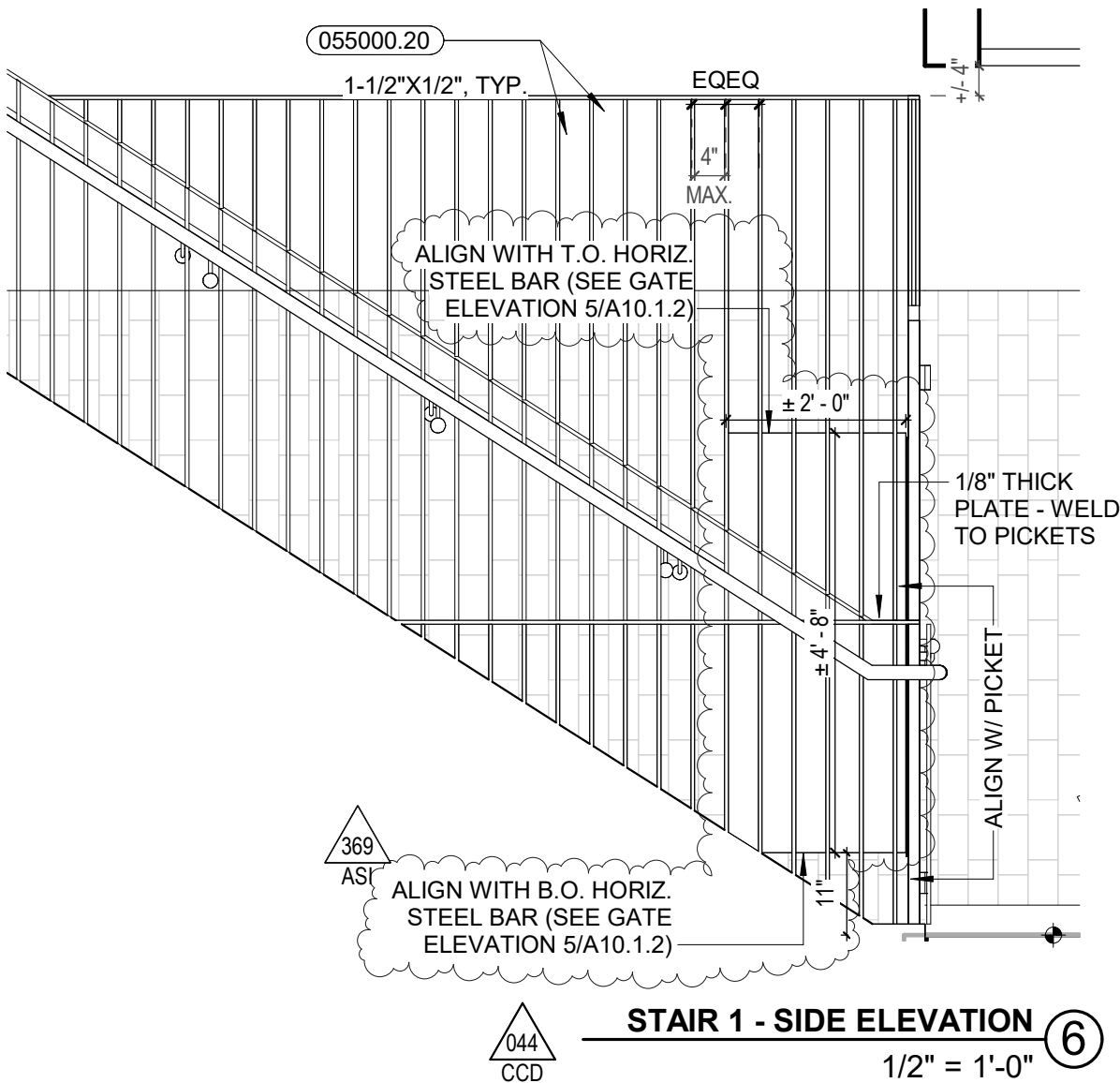
130 Bishop Allen Drive
Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

ASI-369:

See attached SKA for revisions to size of steel security plate at Stair 1 roof access enclosure.



Enlarges security plate to match markups provided in shop drawing review.

HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

**HM
FH**

Arlington High School
869 Massachusetts Ave, Arlington, MA

SCALE:

DATE:

DRAWN:

CHECKED:

DRAWING NUMBER

SKA

JOB NUMBER

408417



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR659
Date: 8/3/23
Job: 2153 Arlington High School
Phone:

Description: CCD-054 - Addition of Fire Smoke Dampers at Duct Risers (ASI-372) (PH 2; BLDG C)_Sub. 082523

Source: CCD # 054

We offer the following specifications and pricing to make the changes as described below:

CR659 includes PJK, Wayne Griffin costs associated with CCD-054 - Addition of Fire Smoke Dampers at Duct Risers (ASI-372) (PH 2; BLDG C) issued by HMFH on 8.3.23. Pricing included within includes the addition of fire damper + associated electrical work that was not originally shown on the contract documents. CCC will proceed with this scope in accordance with CCD direction. Please see attached pricing and associated backup for additional information.

Assumptions & Qualifications:

- Costs associated with cut/patch of shaft wall and adjacent finishes is not included. If required will be tracked on T&M and submitted under separate cover.
- Lead time for equipment is approx. 4 weeks. Potential schedule impact associated with CCD-054 will be determined upon confirmation of equipment delivery date, and will be submitted under separate cover if required.
- No overtime/acceleration included

Description	Labor	Material	Equipment	Subcontract	Other	Price
PJ Kennedy - PCO#059 dated 8/18/23				\$10,359.06		\$10,359.06
WJGEI - Proposal #240 dated 8/16/23				\$7,244.92		\$7,244.92
Riggs General Requirements				\$1,200.00		\$1,200.00
					Subtotal:	\$18,803.98
			Bond (.75%)	\$18,803.98		\$141.03
			General Liability (1.2%)	\$18,803.98		\$225.65
			Subguard (1.4%)	\$1,200.00		\$16.80
			OH&P (5% subs, 10% self perform)	\$19,187.46		\$959.37
					Total:	\$20,146.83

☐ SCHEDULE IMPACT

☒ We have proceeded with this change to achieve schedule.

☐ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

(Signature)

John LaMarre

(Signature)

By

09/15/2023

By

8/25/23

By

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford, MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com

Albany NY • Boston MA • Caribbean • Hartford CT • Milford MA • New York NY • Pleasant Valley NY • Portland ME • Ronkonkoma NY • Washington DC • Westchester NY

Construction Change Directive (CCD)

CCC - CR659

NO:

054

Date of Issuance:

August 3, 2023

Project:	Arlington High School	Contract For:	New Construction
Address:	869 Massachusetts Avenue, Arlington, MA 02476	Contract Date:	June 26, 2019
Owner:	Town of Arlington		
Address:	730 Massachusetts Avenue, Arlington, MA 02476	Project ID:	408417
From:	HMFH Architects, Inc	To:	Consigli Construction Co., Inc
Address:	130 Bishop Allen Drive, Cambridge, MA 02139	Address:	Milford, MA

You are hereby directed to make the following change(s) in this Contract:


Add Fire Dampers at two duct risers 1st floor Part c (ASI-372).

PROPOSED ADJUSTMENTS:

1. The proposed basis of adjustment to the Contract Sum or Guaranteed Maximum Price is:

- ☒ Lump Sum increase of: **NTE \$21,000**(Final amount TBD)
- ☐ Unit Price of \$ per
- ☐ On a Time & Materials Basis
- ☐ As follows:

2. The Contract Time shall **BE UNCHANGED**. Such an adjustment, if any, shall be **0** days from the date of Substantial Completion.

When signed by the Owner and Architect and received by the Contractor, this document becomes effective IMMEDIATELY as a Construction Change Directive (CCD), and the Contractor shall proceed with the change(s) described above.			Contractor signature indicates agreement with the proposed adjustments in Contract Sum and Contract Time set forth in this CCD.
HMFH Architects	Town of Arlington	Consigli Construction Co., Inc.	
ARCHITECT	Owner	Contractor	
130 Bishop Allen Drive	730 Massachusetts Avenue	72 Summer Street	
Cambridge, MA	Arlington, MA	Milford, MA	
ADDRESS	ADDRESS	ADDRESS	
			
BY (Signature)	BY (Signature)	BY (Signature)	
Arthur Duffy			
(Typed Name)	(Typed Name)	(Typed Name)	
08/03/2023			
DATE	DATE	DATE	

Attachments:	ASI 372		
distribution:	<input checked="" type="checkbox"/> Owner – James Feeney	<input checked="" type="checkbox"/> Architect – Arthur Duffy, Lori Cowles	
	<input checked="" type="checkbox"/> OPM – J Burrows, Sy Nguyen, H. Raymond	<input checked="" type="checkbox"/> Contractor – J. LaMarre, C. Weber,	
	<input checked="" type="checkbox"/> Consultant – Bala	<input checked="" type="checkbox"/> Field – C. McWilliams, T.DeRosa	

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 372

date: 8.2.2023

subject: Addition of Fire Smoke Dampers at Building C

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☐ Other:

reference: Drawings E 2.0C, E 8.0C, E10.3.1, M2.0c

attachments: SKE-86a, 86b, 86c; SKM-113

OFFICE. (617) 492 2200
 FAX. (617) 876 9775

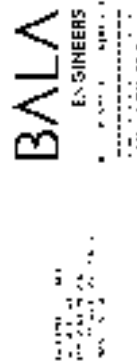
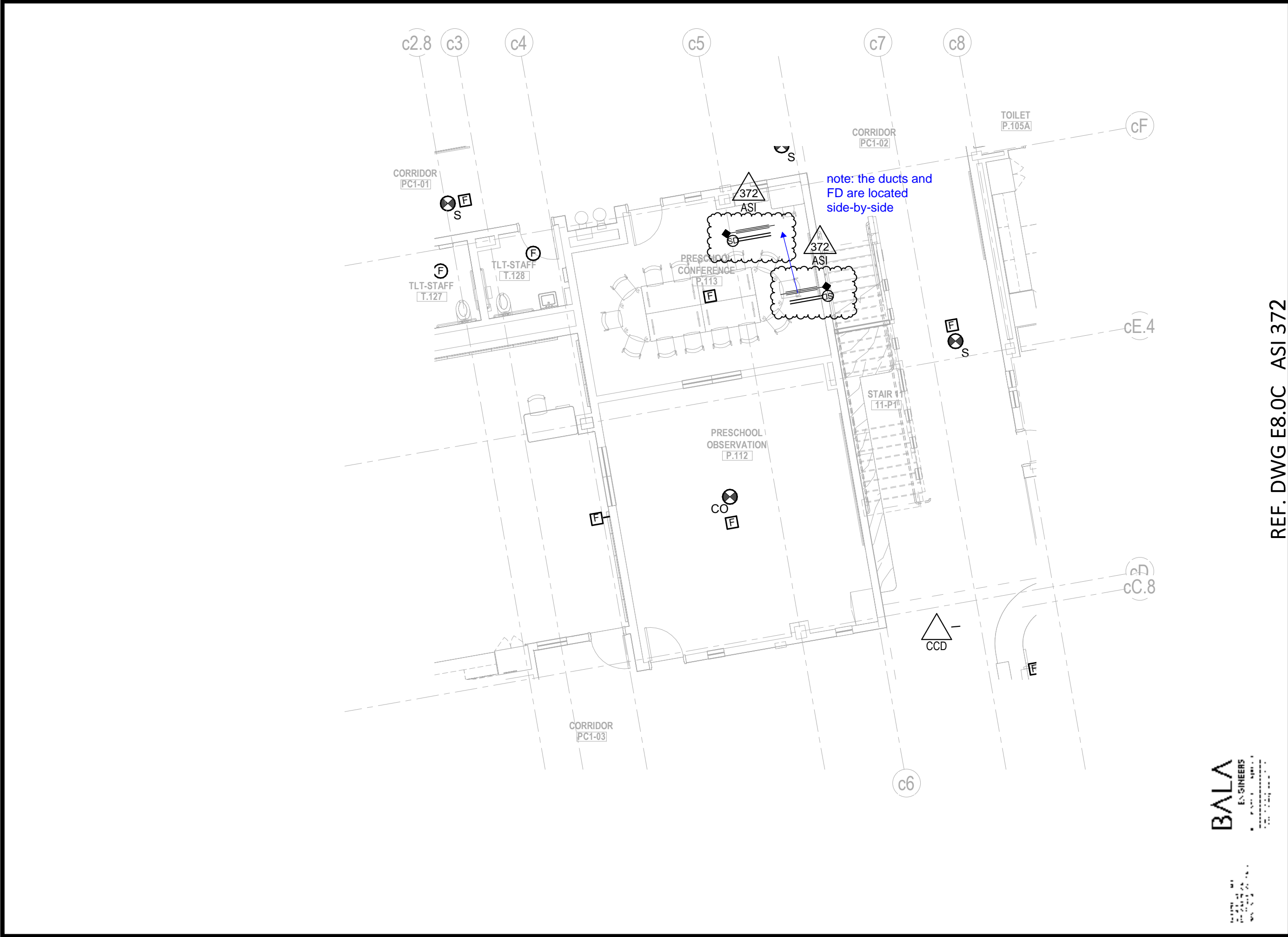
130 Bishop Allen Drive
 Cambridge, MA 02139

hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Additional fire smoke dampers required at building part C for code compliance. Note discussion in the field in regards to these dampers took place between BALA and CCC/PJK during BALA site visit the week of 7/24

See attached sketches for further information



HMFH ARCHITECTS

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

**HM
FH**

REF. DWG E8.0C ASI 372

Arlington High School
FIRE ALARM FIRST FLOOR PLAN - PART C

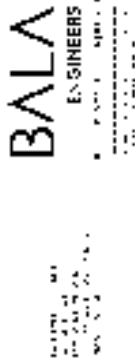
DRAWING NUMBER

**SKE
86A**

JOB NUMBER
6017442

SCALE: 1/8" = 1'-0" DATE: 08/02/23 DRAWN: Author CHECKED: Checker

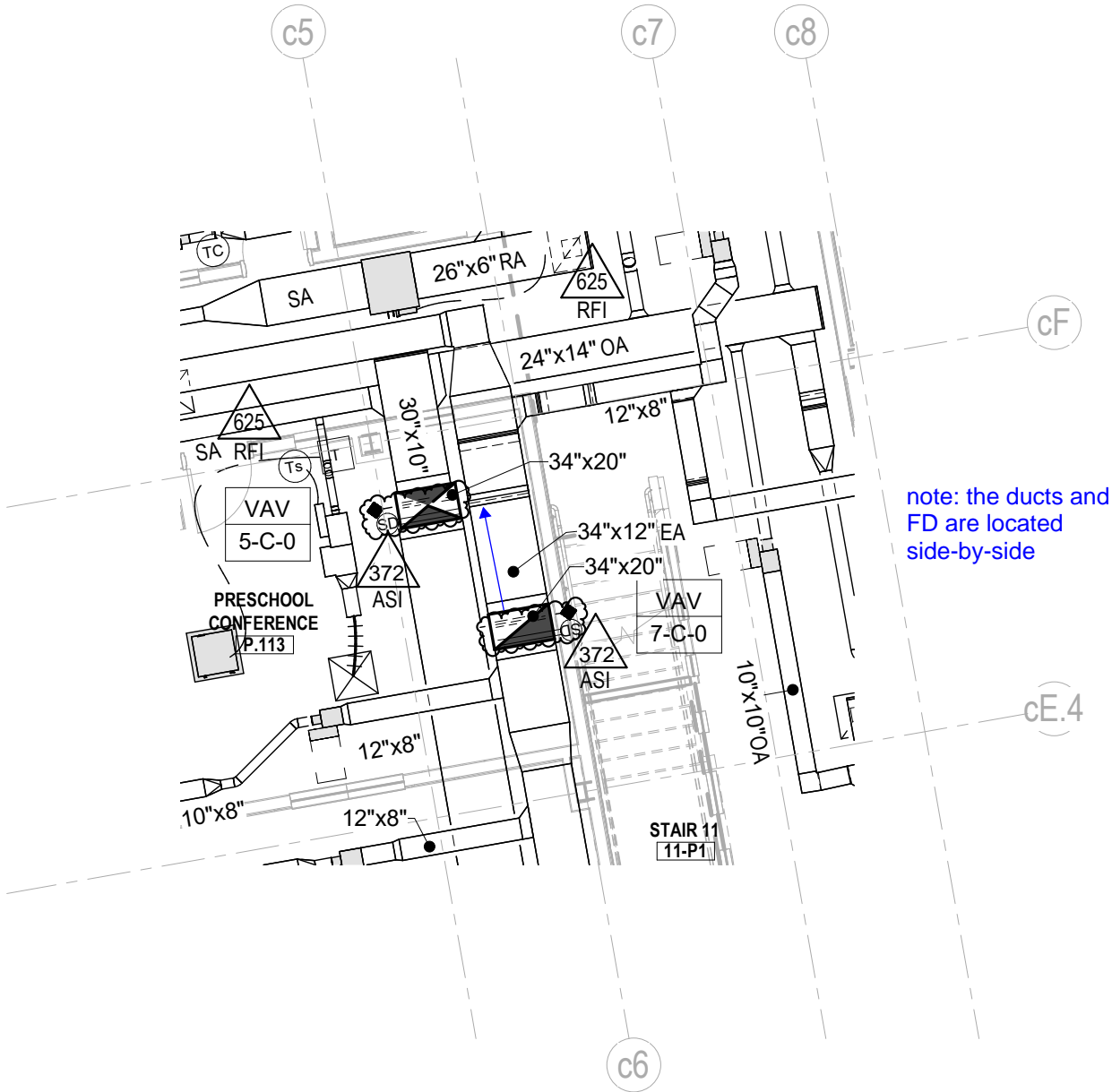
Panelboard: SL1C														
Location: Supply From: SL1C Mounting: Surface Enclosure: Type 1					Distribution System: 120/208 V _{ph} Phases: 3 Wires: 4 Modifications:					A.I.C. Rating: 10kAIC Main Type: MCCB Main Rating: 225 A MCC Rating: 225				
Notes	Wiring	Ckt No.	Load Description	Trp	Phase	LOAD PHASE-A (VA)	LOAD PHASE-B (VA)	LOAD PHASE-C (VA)	Poles	Ycp	Load Description	Ckt No.	Wiring	Notes
		1	COVER	21A	-	1500 / 360			-	20A	RECEPTACLE SPACE 14	7		
		2	RECEPTACLE SPACE 12	21A	-		360 / 540		-	20A	RECEPTACLE	4		
		3	RECEPTACLE	21A	-			720 / 720	-	20A	RECEPTACLE	5		
		4	RECEPTACLE	21A	-	180 / 1200			-	20A	REFRIGERATOR	8		
		9	RECEPTACLE	21A	-		720 / 360		-	20A	RECEPTACLE	11		
		11	RECEPTACLE	21A	-			840 / 720	-	20A	RECEPTACLE	12		
		13	RECEPTACLE	21A	-	720 / 540			-	20A	RECEPTACLE	14		
		15	RECEPTACLE SPACE 7	21A	-		540 / 600		-	20A	RECEPTACLE SPACE 5	15		
		17	RECEPTACLE	21A	-			1400 / 360	-	20A	RECEPTACLE	19		
		19	RECEPTACLE	21A	-	720 / 180			-	20A	RECEPTACLE	21		
		21	RECEPTACLE	21A	-		1400 / 720		-	20A	RECEPTACLE	22		
		23	RECEPTACLE	21A	-			720 / 32	-	21A	DRINKING FOUNTAIN WITH BOTTLE FILLER	24	Q	
		25	RECEPTACLE	21A	-	360 / 180			-	20A	RECEPTACLE	25		
		27	RECEPTACLE	21A	-		540 / 540		-	20A	RECEPTACLE	29		
		29	RECEPTACLE SPACE 26	21A	-			360 / 1500	-	20A	RECEPTACLE	31		
		31	RECEPTACLE	21A	-	720 / 1080			-	21A	RECEPTACLE	32		
		33	PANEL	21A	-		22 / 180		-	21A	RECEPTACLE SPACE 30	34		
		35	RECEPTACLE SPACE 80	21A	-			180 / 720	-	20A	RECEPTACLE ROOM 16, B17	35		
		37	RECEPTACLE SPACE 79	21A	-	900 / 540			-	20A	RECEPTACLE	39		
		39	ELEVATOR SHAFT RECEPTACLE	21A	-		180 / 540		-	20A	RECEPTACLE SPACE 14	41		
		41	RECEPTACLE SPACE 14	21A	-			360 / 360	-	20A	RECEPTACLE SPACE 14	42		
		43	RECEPTACLE SPACE 14	21A	-	360 / 720			-	20A	RECEPTACLE SPACE 12	44		
		45	RECEPTACLE SPACE 12	21A	-		660 / 360		-	20A	RECEPTACLE SPACE 12	46		
		47	RECEPTACLE SPACE 12	21A	-			540 / 720	-	20A	RECEPTACLE SPACE 12	48		
		49	EQUIPMENT	21A	-	500 / 180			-	20A	MICROWAVE OVEN	50		
		51	RECEPTACLE	21A	-		360 / 540		-	20A	RECEPTACLE ROOM 5	52		
		53	RECEPTACLE SPACE 2	21A	-			360 / 500	-	21A	COOK (SEPARATOR)	54		
		55	RECEPTACLE	21A	-	500 / 1080			-	20A	RECEPTACLE	56		
		57	RECEPTACLE	21A	-		180 / 0		-	20A	SPARE	58	-	-
		59	NON SWITCH RECEPTACLE	21A	-			1080 / 0	-	20A	SPARE	60	-	-
		61	NON SWITCH RECEPTACLE	21A	-	1080 / 0			-	20A	SPARE	62	-	-
		63	RECEPTACLE SPACE 10	21A	-		360 / 0		-	21A	SPARE	64	-	-
		65	RECEPTACLE	21A	-			1200 / 0	-	20A	SPARE	66	-	-
		67	FIRE SMOKE DAMPER	21A	-	3000 / 0			-	20A	SPARE	68	-	-
		69	SPARE	21A	-		0 / 0		-	20A	SPARE	70	-	-
		71	SPARE	21A	-			0 / 0	-	20A	SPARE	72	-	-
		73	SPARE	21A	-	0 / 0			-	20A	SPARE	74	-	-
		75	SPARE	21A	-		0 / 0		-	20A	SPARE	76	-	-
		77	SPARE	21A	-			0 / 0	-	20A	SPARE	78	-	-
		79	SPARE	21A	-	0 / 0			-	20A	SPARE	80	-	-
		81	SPARE	21A	-		0 / 0		-	20A	SPARE	82	-	-
		83	SPARE	21A	-			0 / 0	-	20A	SPARE	84	-	-
Load Per...						13400 VA	10382 VA	13402 VA						
Load Classification						Connected	Demand	Est. Demand	Panel Totals					
Power						54 VA	75.31%	41 VA	TOTAL CONNECTED LOAD: 14154 VA					
EQUIPMENT						5500 VA	50.00%	3780 VA	TOTAL ESTIMATED DEMAND: 23291 VA					
Receptacle						34801 VA	81.49%	22301 VA	TOTAL CONNECTED CURRENT: 111 A					
									TOTAL ESTIMATED DEMAND CURRENT: 70 A					
NOTES:														



REF. DWG. E10.3.1 ASI 372
Arlington High School
PANEL SCHEDULES

DRAWING NUMBER
SKE 86C
JOB NUMBER
6017442

HMFH ARCHITECTS
130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com



BALA
ENGINEERS

100 WASHINGTON STREET, SUITE 200
CAMBRIDGE, MA 02142
TEL: 617.452.1100
WWW.BALA-ENG.COM

H M F H ARCHITECTS

H M
F H

130 Bishop Allen Drive
Cambridge, MA 02139
617 492 2200
@HMFHarch hmfh.com

REF. DWG. M2.0c ASI-372

Arlington High School

Addition of Fire Smoke Dampers

DRAWING NUMBER

SKM
113

JOB NUMBER

6017442

SCALE: 1/8" = 1'-0" DATE: 08/02/23 DRAWN: JRF CHECKED: JRF

Weber, Chris

From: Weber, Chris
Sent: Tuesday, August 22, 2023 9:59 AM
To: Arthur Duffy; Stephanie MacNeil; Jim Burrows
Cc: Nguyen, Sy; Raymond, Hal; Mendez, Jessica; Clifford, Victoria; David Roach; LaMarre, John; Saunders, Mason
Subject: RE:CCD-054 - ASI-372 Addition of Fire Smoke Dampers - Part C_CR659

Arthur/Jim,

Following up with ROM value associated with CCD-054 – Addition of Smoke FSD Bldg. C dated 8/3/23. Requesting CCD-054 be reissued at a value of \$24,000 based on the below:


- WJGEI – F&I additional FA devices and connections = \$7,300
- PJ Kennedy – F&I (2) FSD's and actuators, access doors, insulation, etc. = \$10,500
- Colony Drywall – Cut/patch shaft wall for install = \$4,000 ROM

Approx. lead time for equipment is 3-4 weeks, and material has been released. At this time potential schedule impact is unknown, and will be confirmed upon confirmation of equipment delivery dates.

We have assigned CR659 to this change for tracking.

Thanks and let me know if you have any questions.
 Chris



Chris Weber
Project Manager
 m: 774.573.4072
 [consigli.com](https://www.consigli.com)

From: Arthur Duffy <aduffy@hmfh.com>
Sent: Thursday, August 3, 2023 10:05 AM
To: Saunders, Mason <msaunders@consigli.com>
Cc: Jim Burrows <jim.burrows@skanska.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>; Raymond, Hal <hal.raymond@skanska.com>; Mendez, Jessica <jessica.mendez@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>; David Roach <droach@hmfh.com>; J. Ryan Flynn <jrf@bala.com>; George D. Hines <GDH@bala.com>; LaMarre, John <JLaMarre@consigli.com>; Weber, Chris <cweber@consigli.com>; Salvatori, Andrew <asalvatori@consigli.com>; Kenneth R. Davis <krd@bala.com>; Haarstick, Sabrina <SHaarstick@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Stephanie MacNeil <smacneil@hmfh.com>
Subject: RE: ASI-372 Addition of Fire Smoke Dampers - Part C

Caution: External Email.

Attached

From: Saunders, Mason <msaunders@consigli.com>

Sent: Thursday, August 3, 2023 9:16 AM

To: Arthur Duffy <aduffy@hmfh.com>

Cc: Jim Burrows <jim.burrows@skanska.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>; Raymond, Hal <hal.raymond@skanska.com>; Mendez, Jessica <jessica.mendez@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>; David Roach <droach@hmfh.com>; J. Ryan Flynn <jrf@bala.com>; George D. Hines <GDH@bala.com>; LaMarre, John <JLaMarre@consigli.com>; Weber, Chris <cweber@consigli.com>; Salvatori, Andrew <asalvatori@consigli.com>; Kenneth R. Davis <krd@bala.com>; Haarstick, Sabrina <SHaarstick@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Stephanie MacNeil <smacneil@hmfh.com>

Subject: RE: ASI-372 Addition of Fire Smoke Dampers - Part C

Morning Arthur,

CCC is requesting that ASI 372 Addition of Fire Smoke Dampers is issued as a CCD due to time constraints and code requirements.

Please advise.

Thanks,



Mason Saunders
Assistant Project Manager
72 Sumner Street
Milford, MA 01757

c. 774.737.3348

An Affirmative Action / Equal Opportunity Employer

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From: Arthur Duffy <aduffy@hmfh.com>

Sent: Thursday, August 3, 2023 7:35 AM

To: Stephanie MacNeil <smacneil@hmfh.com>; Weber, Chris <cweber@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; McWilliams, Chuck <cmcwilliams@consigli.com>; Saunders, Mason <msaunders@consigli.com>; Haarstick, Sabrina <SHaarstick@consigli.com>; Salvatori, Andrew <asalvatori@consigli.com>

Cc: Jim Burrows <jim.burrows@skanska.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>; Raymond, Hal <hal.raymond@skanska.com>; Mendez, Jessica <jessica.mendez@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>; David Roach <droach@hmfh.com>; J. Ryan Flynn <jrf@bala.com>; George D. Hines <GDH@bala.com>; Kenneth R. Davis <krd@bala.com>

Subject: RE: ASI-372 Addition of Fire Smoke Dampers - Part C

Caution: External Email.

Administrative correction: triangle tags had indicated ASI-371....have been changed to ASI-372.
(note also that both ducts/FDs are side by side)



**WAYNE J.
GRIFFIN ELECTRIC
INC.**

August 16, 2023

VIA EMAIL ONLY: cweber@consigli.com

Mr. Chris Weber, Project Manager
Consigli Construction Company, Inc.
72 Sumner Street
Milford, MA 01757

RE: Job #2698 - Arlington High School, Arlington, MA
Proposal #240

Dear Mr. Weber:

Wayne J. Griffin Electric, Inc. ("WJGEI") proposes to modify our contract to perform the following lump sum revisions to our work per our enclosed detailed backup:

DESCRIPTION OF WORK:

As reflected under CCD-054, provide and install the additional fire alarm devices and connections to the added smoke dampers located on Level #1 of Part 'C'.

Total \$ 7,244.92 ✓

This is a lump sum forward looking estimate of the above-noted change to our scope of work. This estimate represents a price we are willing to accept to assume the cost risk of this change to our ongoing work given the information provided to us. The labor and material prices contained in this proposal are based upon vendor/subcontractor quotes (if noted) and/or electrical industry pricing guides such as NECA, Trade Service, or R.S. Means, which guides are widely used and accepted in the construction industry to facilitate timely and consistent change order pricing. This estimate is offered for your review, approval and acceptance.

The value included in this proposal does not include any amounts for extended contract duration, overtime, changes in the sequence of work, acceleration, disruptions, interference and/or impacts, and the right is expressly reserved to recover any and all of these related items prior to any final settlement of this contract. The working relationship between your company and ours shall be in accordance with our mutually agreed to contract form.

Corporate Headquarters:

116 Hopping Brook Road
Holliston, MA 01746
Phone: (508) 429-8830
Fax: (508) 429-7825

Regional Offices:

296 Cahaba Valley Parkway
Pelham, AL 35124
Phone: (205) 733-8848
Fax: (205) 733-8107

2395 Pleasantdale Road
Suite 14
Doraville, GA 30340
Phone: (678) 417-9377
Fax: (678) 417-9373

2310 Presidential Drive
Suite 101
Durham, NC 27703
Phone: (919) 627-9724
Fax: (919) 627-9727

9801-C Southern Pine Boulevard
Charlotte, NC 28273
Phone: (704) 522-3851
Fax: (704) 522-3856

Wayne J. Griffin Electric, Inc. reserves the right to void this proposal after thirty (30) days from the date above.

If you have any questions regarding the above, please do not hesitate to contact me at (508) 306-5313 or wpease@wjgei.com.

Very truly yours,

WAYNE J. GRIFFIN ELECTRIC, INC.



Wayne A. Pease
Senior Project Manager

WP/law

ACKNOWLEDGMENT: The contract modifications stated for the above proposal are acceptable for the work to be performed. The value of the work completed to the date of the next requisition may be billed on that requisition.

Date: _____ Authorized Signature: _____

cc: John LaMarre, Senior Project Manager, Consigli Construction Company, Inc.,
JLaMarre@consigli.com
Jeremiah Kimball, Project Foreman, Wayne J. Griffin Electric, Inc.



CCN#: P-0240, CCD-054 Added SD
Date: 8/14/2023
Project Name: Arlington High School
Project Number: 02698-00-20
Page Number: 1

116 Hopping Brook Road, Holliston, MA 01746
 (508) 429-8830 FAX (508) 429-9251

Work Description

As reflected under CCD-054, provide and install additional fire alarm devices and connections to the added smoke dampers located on Level 1 of Part C.

Itemized Breakdown

Description	Qty	Net Price	UM	Materials (\$)	Labor	Total Hours
Field Layout/Coordination	0.00	0.0000	HRS	0.000	0.000	1.160
Phase Totals				0.00		1.16
1. Damper Pwr						
12/2 MC Cable	90.00	1.0300	E	92.700	0.022	1.980
MC Supports	15.00	1.6100	E	24.150	0.050	0.750
MC Connectors	8.00	0.9300	E	7.440	0.200	1.600
4" Sq Boxes	2.00	6.1500	E	12.300	0.400	0.800
4" Sq Blank Covers	2.00	1.1900	E	2.380	0.125	0.250
Box Supports	2.00	1.9800	E	3.960	0.060	0.120
Phase Totals				142.93		5.50
2. Fire Alarm Revision						
Duct Smoke Detector (I.B.O.)	2.00	0.0000	E	0.000	0.000	0.000
Addressible Monitor Module	2.00	0.0000	E	0.000	1.103	2.210
Addressible Relay Module	2.00	0.0000	E	0.000	1.103	2.210
Remote Test Station	2.00	0.0000	E	0.000	1.000	2.000
Programming and Testing	1.00	0.0000	E	0.000	2.000	2.000
Fire Alarm Quotation	1.00	3,234.0200	E	3,234.020	0.000	0.000
14/2 TSP Red MC Cable	50.00	1.6226	E	81.130	0.022	1.100
MC Supports	8.00	1.6100	E	12.880	0.050	0.400
MC Connectors	20.00	0.9300	E	18.600	0.200	4.000
4" Sq Boxes	6.00	6.1500	E	36.900	0.400	2.400
4" Sq Blank Covers	6.00	1.1900	E	7.140	0.125	0.750
Box Supports	6.00	1.9800	E	11.880	0.060	0.360
Wire Connectors	12.00	0.1900	E	2.280	0.030	0.360
Phase Totals				3,404.83		17.79
Totals				3,547.76		24.45
Tax				0.00		
Materials with Tax				3,547.76		

Summary

Itemized Breakdown Total		3,547.76	
Electrical Journeyman	(24.4500 hrs @ \$94.34 / hr)	2,306.61	
		2,306.61	✓
Labor Burden	(\$2,306.61 @ 30.00%)	691.98	
		691.98	✓
Overhead & Profit	(\$6,546.35 @ 10.00%)	654.64	
		654.64	✓
Bond	(\$7,200.99 @ 0.61%)	43.93	
		43.93	✓
Total		1,390.55	
		\$7,244.92	✓



100 Commerce Way #6, Woburn, MA 01801
 287 Park Ave Worcester, MA 01609
 781-321-7777 - 508-796-9600

Number AAAQ22500
Date Aug 14, 2023

Sold To	Job Name	Your Sales Rep
Wayne J Griffin Electric 116 Hopping Brook Road Holliston, MA 01746	Arlington High School CCD-054 Section CL1 869 Mass Ave Arlington, MA	Andy Palumbo andy.palumbo@nefs.us
Phone Email	Phone Email	781-321-7777

Terms	P.O. Number	Ship Via
-------	-------------	----------

Qty	Description
	Duct Smoke Detectors
2	INNOVAIRFLEX INTELLIGENT DUCT DETECTOR, NON-RELAY, DOES NOT INCLUDE HEAD.
2	REMOTE TEST CAPABLE INTELLIGENT PHOTO DETECTOR WITH FLASHSCAN; FOR USE WITH DNR(W) DUCT DETECTOR HOUSING; WHITE
2	REMOTE TEST STATION; WITH SWITCH, ALARM AND POWER LED'S, KEY RESET.
2	ADDRESSABLE RELAY MODULE WITH FLASHSCAN; PROVIDES TWO FORM-C DRY CONTACTS THAT SWITCH TOGETHER.
2	INNOVAIRFLEX SAMPLING TUBE, STEEL, 10' WITH HOLES
2	ADDRESSABLE MONITOR MODULE; WITH FLASHSCAN; SUPERVISES EITHER A CLASS A OR CLASS B CIRCUIT OF DRY-CONTACT INPUT DEVICES.
	Programming, Testing and Design Labor
	CAD, Submittals, Battery Calc's Etc...
	Programming
	Fire Alarm Testing

Subtotal	\$3,234.02
Tax	\$0.00
Total	\$3,234.02

PRICING TERMS: Above pricing is good for 12 months from date above on this quote.

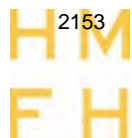
Above pricing does not include any vendor price increases that may occur prior to equipment release.

(Customer will be given 1 month to release equipment prior to any known vendor price increases.

TERMS: NET 45 DAYS. 1.5% INTEREST PER MONTH ON BALANCES OVER 30 DAYS.

All claims must be filed within 10 days of receipt of goods. Returns must be made within 60 days.

No returns accepted without a Return Authorization Number. All returns must be in original, unopened



Construction Change Directive (CCD)

CCC - CR659

NO:

054

Date of Issuance:

August 3, 2023

Project:	Arlington High School	Contract For:	New Construction
Address:	869 Massachusetts Avenue, Arlington, MA 02476	Contract Date:	June 26, 2019
Owner:	Town of Arlington		
Address:	730 Massachusetts Avenue, Arlington, MA 02476	Project ID:	408417
From:	HMFH Architects, Inc	To:	Consigli Construction Co., Inc
Address:	130 Bishop Allen Drive, Cambridge, MA 02139	Address:	Milford, MA

You are hereby directed to make the following change(s) in this Contract:

Add Fire Dampers at two duct risers 1st floor Part c (ASI-372).

PROPOSED ADJUSTMENTS:

1. The proposed basis of adjustment to the Contract Sum or Guaranteed Maximum Price is:


☒ Lump Sum increase of: NTE \$ xx,xx (Final amount TBD)

☐ Unit Price of \$ per

☐ On a Time & Materials Basis

☐ As follows:

2. The Contract Time shall **BE UNCHANGED**. Such an adjustment, if any, shall be 0 days from the date of Substantial Completion.

When signed by the Owner and Architect and received by the Contractor, this document becomes effective IMMEDIATELY as a Construction Change Directive (CCD), and the Contractor shall proceed with the change(s) described above.			Contractor signature indicates agreement with the proposed adjustments in Contract Sum and Contract Time set forth in this CCD.
HMFH Architects	Town of Arlington	Consigli Construction Co., Inc.	
ARCHITECT	Owner	Contractor	
130 Bishop Allen Drive	730 Massachusetts Avenue	72 Summer Street	
Cambridge, MA	Arlington, MA	Milford, MA	
ADDRESS	ADDRESS	ADDRESS	
			
BY (Signature)	BY (Signature)	BY (Signature)	
Arthur Duffy			
(Typed Name)	(Typed Name)	(Typed Name)	
08/03/2023			
DATE	DATE	DATE	

Attachments:	ASI 372		
distribution:	<input checked="" type="checkbox"/> Owner – James Feeney	<input checked="" type="checkbox"/> Architect – Arthur Duffy, Lori Cowles	
	<input checked="" type="checkbox"/> OPM – J Burrows, Sy Nguyen, H. Raymond	<input checked="" type="checkbox"/> Contractor – J. LaMarre, C. Weber,	
	<input checked="" type="checkbox"/> Consultant – Bala	<input checked="" type="checkbox"/> Field – C. McWilliams, T.DeRosa	

H M
F H

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS _____

ASI: 372

date: 8.2.2023

subject: Addition of Fire Smoke Dampers at Building C

to: Chris Weber **from:** Arthur Duffy

project id: 408417

project: Arlington High School

distribution: ☒ Skanska ☒ Consigli
☒ HMFH Architects ☐ Other:

reference: Drawings E 2.0C, E 8.0C, E10.3.1, M2.0c

attachments: SKE-86a, 86b, 86c; SKM-113

OFFICE. (617) 492 2200
FAX. (617) 876 9775

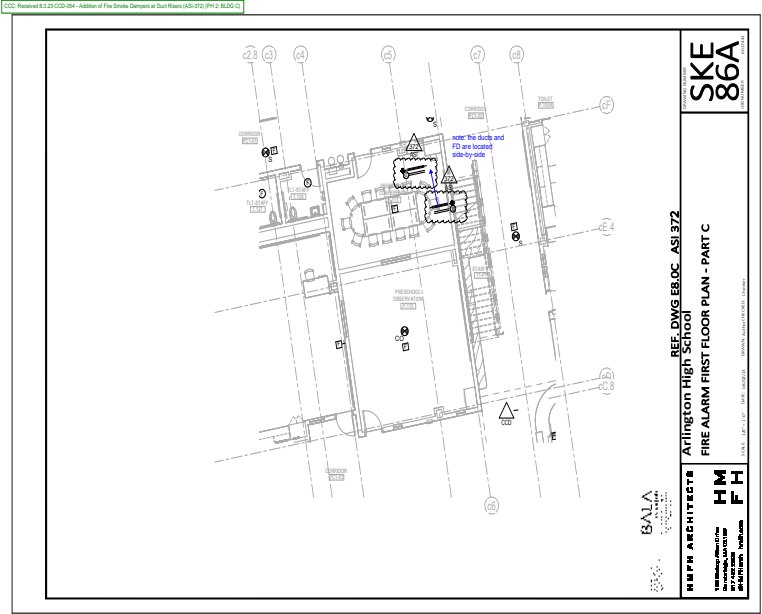
130 Bishop Allen Drive
Cambridge, MA 02139

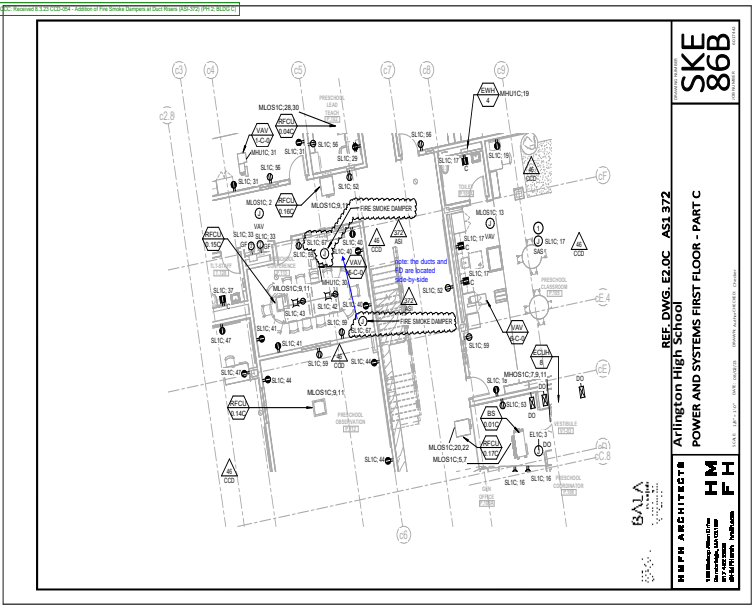
hmfh.com

The Work shall be carried out in accordance with the following Supplemental Instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract time.

Additional fire smoke dampers required at building part C for code compliance. Note discussion in the field in regards to these dampers took place between BALA and CCC/PJK during BALA site visit the week of 7/24

See attached sketches for further information





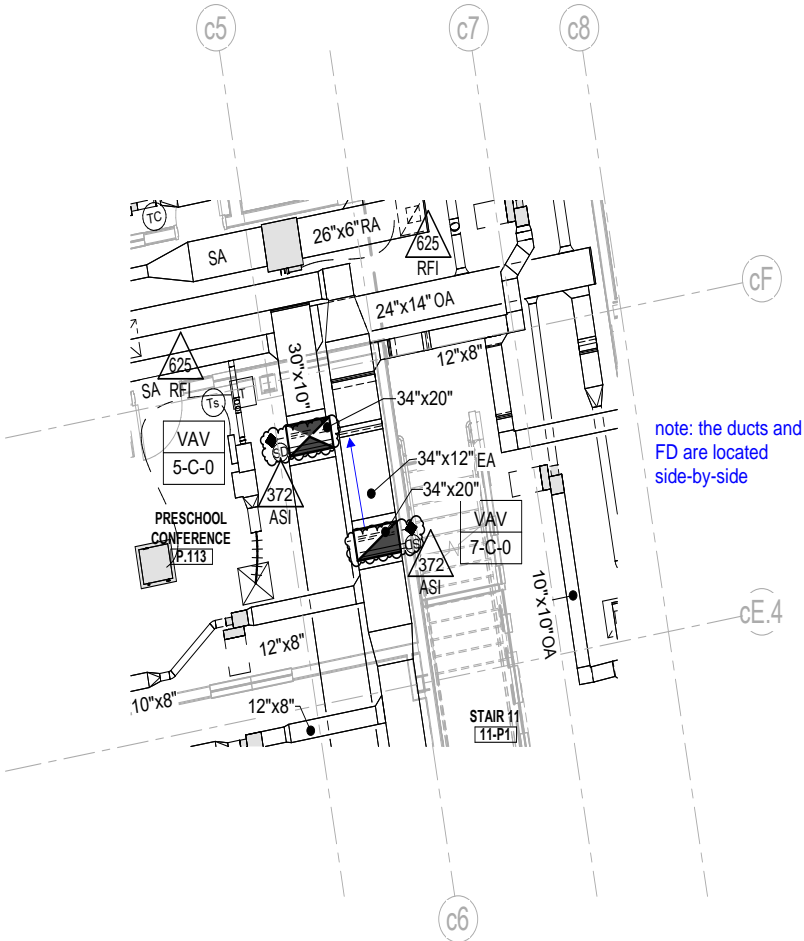
[illegible]

REF. DWG. M2.0c ASI-372

Arlington High School

Addition of Fire Smoke Dampers

SCALE: 1/8" = 1'-0" DATE: 08/02/23 DRAWN: JRF CHECKED: JRF



BALA
ENGINEERS

1000 STATE STREET, SUITE 200, BOSTON, MA 02116
617.552.1234
www.bala-engineers.com

HMFH ARCHITECTS

H M
F H

130 Bishop Allen Drive
Cambridge, MA 02139
617.492.2200
@HMFHarch hmfh.com



Patrick J. Kennedy & Sons, Inc.
MECHANICAL CONTRACTORS

39 Gibson Street
 Boston, MA 02122-1222
 Ph: (617)265-5535

PROPOSED CHANGE ORDER

Number: 059

Date: 8/18/23

Phone:

Job: 2020-21 Arlington HS Main Package

To: Chris Weber
 Consgru Construction Co. Inc.
 72 Sumner Street
 Milford, MA 01757
 Ph: 857-300-6900

Description: ASI 372 - Added FSD - C-Building

Source: ASI # 372

Additional costs associated with ASI-327.

Description	Quantity	Unit	Unit Price	Price
Subcontract - WAC				\$8,936.99
Subcontract - Viking				\$782.98
			Subtotal:	\$9,719.97
	Mark-up	\$9,719.97	5.00%	\$486.00
	Bond Cost	\$10,205.97	1.50%	\$153.09
			Total:	\$10,359.06

If you have any questions, please contact me at 617-446-8000.

Submitted by: Patrick Kennedy
 Patrick J. Kennedy & Sons, Inc

Approved by: _____
 Date: _____

VIKING INDUSTRIES, INC.
PO BOX 32
BARRINGTON, R.I. 02806
P 401-246-1855
F 401-246-1366

To: PJ KENNEDY

Change Order
Date: 5/1/23

Attn: PATRICK

Project Name: ARLINGTON HIGH SCHOOL
ARLINGTON, MA

Description: **ASI 372 ADDED SMOKE DAMPERS, BLDG C**

The price to insulate the above stated work is as follows:

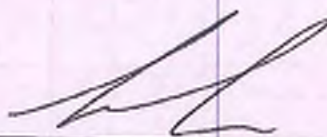
LABOR:		\$610.00
MATERIALS:		\$101.80
TOTAL		\$711.80
MARK UP:	10%	\$71.18
<u>TOTAL PRICE:</u>		<u>\$782.98</u>

Any lost time due to Overtime must add 15 percent to the price above.

Quote is void if not accepted within 30 days.

This quote is based on material pricing at the time of quote, any increases after the 30 day period will be added to the price.

If you have any questions please call. Thank You.


Leonard E Carlson, President



Change Order Proposal Cost Summary

Job No. & Name:
Change Order Request No.: CCD 54

W.A.C. ID X 038

Description of Change:

Cost to add two fire smoke dampers in C-building. Dampers will have internal mount actuators so they can be slid into the ducts through the caps below. Shaft wall above must be opened by others for access to install fire stop angles at the floor. Labor is 2 men for one day to install the dampers. 4 hours for one man half a day to go back and install angles and access doors. Access to the dampers will be through the ceiling of Level 1. Access doors will be on the duct end caps.

Exclusions: Cutting, Patching, Overtime

Exclusions: Cutting, Patching, Overtime				LABOR COSTS		MATERIALS & EXPENSES
DESCRIPTION OF COSTS:		HOURS	RATE	TOTAL		
Estimating, Analysis - Project Management			\$152.47			
BIM & Fabrication Modeling			\$146.27			
Erection Labor - Journeyman		20	\$139.79	\$2,795.88		
Erection Labor - Foreman		2	\$157.82	\$315.63		
Supervision - Superintendent			\$156.30			
Handling - Journeyman		2	\$139.79	\$279.59		
Duct Testing - Journeyman			\$139.79			
Clean-Up - Journeyman			\$139.79			
Steward's Duty			\$8.74			
Trucking			\$167.60			
Premium Time Only (PO)		LABOR TOTAL:		\$3,391.10		
Time and a half (T.5)						
Fabricated Sheet Metal Ductwork	Duct access doors					\$80.00
Material Costs	2 - fire smoke dampers					\$4,375.00
Equipment Costs						
MATERIAL & EQUIPMENT SUBTOTAL:						\$4,455.00
Sales Tax		6.25% (if applicable)				\$278.44
Subcontractors' Costs						
Rental Fees						
Storage Costs						
TOTAL MATERIAL & OTHER:						\$4,733.44
LABOR TOTAL:						\$3,391.10
TOTAL RAW COST:						\$8,124.54
Overhead & Profit		10%				\$812.45
Bonds						
TOTAL PRICE FOR THIS CHANGE:						\$8,936.99

This C.O. is based on: **x** **Straight Time** **Overtime**
 Extension due to Change is: **0** **Work Days**

*This proposal is based on current market costs and conditions.
 If the approval of this change is delayed to a point where changes occur in our costs and/or conditions,
 we reserve the right to cancel or modify this change order accordingly.*

Submitted By:
Date: August 3, 2023

Louis Maroun, Project Manager

2153

Buckley Associates, Inc.

385 King Street • P.O. Box 1410
 Hanover, MA 02339
 (781) 878-5000
 Fax (781) 871-9435

Quote Number **207694**

Bid Date 07/31/2023

Estimator Sean Buckley / 508-745-3300

Email sean@buckleyonline.com

CCC - CR659

QUOTATION**** Customer List ****Project **ARLINGTON HS (ADDED DAMPERS)**

Location CUSTOMER REQUEST

Plan Date

Engineer No Assigned Engineer

Addendum WORCESTER AIR



Qty	Product	Description	Price
-----	---------	-------------	-------

SHEET METAL PRODUCTS

2	FIRE/SMOKE DAMPER	FIRE/SMOKE DAMPER, CLASS II WITH 3V BLADES, RRL CLOSURE DEVICE, EXTERNAL MOUNTED 120 VAC TWO POSITION ACTUATOR, 20g STANDARD LENGTH SLEEVE	\$3,500
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\$4,375 total w/ QB-
*** NOTES ***

1. SMOKE DETECTORS, CONTROL PANEL, ACCESS DOORS, O-RING GASKETS, & INTERNAL HEATERS BY OTHERS

2. FSDS ARE BASED ON DUCT SIZE AND ARE NOT OVERSIZED

3. ACTUATORS ARE NOT ADDRESSABLE

****5 WEEK LEAD TIME

10 DAY QB 25% ADD

5 DAY QB 50% ADD

1 DAY QB 75%

Sheet Metal Notes

Unless specifically noted, all registers, grilles, and diffusers are quoted with standard white finish. All diffusers that have t-bar lay-in panels are quoted for standard 15/16 inch ceiling grid. If any type of supply diffuser or return grille is to require a sheet rock frame please add \$33 each for a 2'x2' frame and \$59 for a 4'x2' frame. Above pricing does not include cable operated dampers. If any are required, please add \$128 for each damper assembly.

Terms & Conditions

** This quote is based on a customer list. Buckley Associates will not be responsible for compliance with plans or specifications **

The above quotation is based on standard factory lead times and a one time release unless specifically noted. Any changes or cancellations made to orders after release may be subject to additional fees. The above quotation is valid for 30 days from the date of the quote. Prices do not include local sales tax.

Prices include standard ground freight. All standard terms and conditions of Buckley Associates or the manufacturer responsible for the billing applies.

(Copy provided upon request)

QUOTATION TOTAL	\$ 3,500
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SUBMITTAL

Job Name: **ARLINGTON HIGH SCHOOL**

Job Site: **ARLINGTON HIGH SCHOOL**

869 MASSACHUSETTS AVENUE
ARLINGTON, MA 02476
United States

Customer PO#: 5524-FSD

Engineer: BALA

Contractor: WORCESTER AC

Elevation: (ft) 30

Date: 7/31/2023

Submitted By: Sean Buckley

Agent Order#: H133691

BUCKLEY ASSOCIATES INC

385 KING ST

HANOVER, MA 02339

US

Phone: (781)878-5000

Fax: (781)871-9435

Email Address: sean@buckleyonline.com

SUBMITTAL NOTES:

****INTERNAL MOUNT ACTUATORS.



P.O. Box 410 Schofield, WI 54476 (715) 359-6171 FAX (715) 355-2399 www.greenheck.com

FSD-311 Combination Fire Smoke Damper

APPLICATION & DESIGN

Model FSD-311 is a high performance combination fire smoke damper with Class I leakage. High strength airfoil blades ensure the lowest resistance to airflow in HVAC systems with velocities to 4,000 ft/min and pressures to 8 in. wg. Model FSD-311 may be installed horizontally or vertically (with blades running horizontally) and is rated for airflow and leakage in either direction.

DAMPER RATINGS

UL 555 Fire Resistance Rating

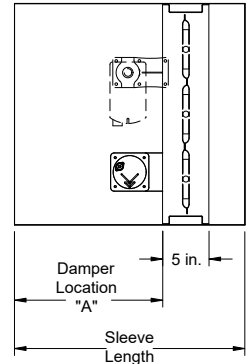
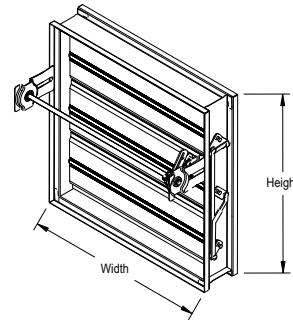
Fire Rating: 1 1/2 hours
Dynamic Closure Rating: Actual ratings are size dependent
Velocity: Up to 4,000 ft/min
Pressure: 8 in. wg

UL 555S Leakage Rating

Leakage Class: I
Operational Rating: Actual ratings are size dependent
Velocity: Up to 4,000 ft/min
Pressure: Up to 8 in. wg
Temperature: Up to 350 F depending on actuator

PRODUCT DETAILS

Frame Type: Channel
Frame Thickness: 16 ga
Closure Device: RRL / OCI
Closure Temperature: 212 F
Blade Action: Opposed
Blade Seal: Silicone
Axle/Linkage Material: Plated Steel
Axle Bearings: 316 SS
Sizing: Nominal



- This drawing shows a general damper configuration and is not intended to depict the exact configuration of all dampers in this submittal.
- Width and height furnished approximately 0.250 in. undersize.
- Add sleeve thickness for overall sleeved damper dimension.
- Dampers with more than one section wide will be furnished with a single OCI device per row when the blade indicator option is selected.
- Installation instructions available at www.greenheck.com.

ACTUATOR INFORMATION

Actuator Type: 120 VAC
Operating Mode: Two Position
Actuator Operation: Spring Return
Fail Position: Closed
Time Cycle: Standard
Operating Temperature: 350 F
Velocity: 2,000 ft/min
Pressure: 4 in. wg
NEMA Enclosure: 1

OPTIONS & ACCESSORIES

Retaining Angle Type: 2-Side Loose
Retaining Angle Size: Minimum UL
Union Label: No Preference

CODES APPROVED

Model FSD-311 meets the requirements for fire dampers, smoke dampers and combination fire smoke dampers established by:

National Fire Protection Association:
NFPA Standards 80, 90A, 92, 101, 105
IBC (International Building Codes)
CSFM (California State Fire Marshal)
Fire Damper Listing (3225-0981:103)
Leakage (Smoke) Damper Listing (3230-0981:104)
Underwriters Laboratories:

UL Classified to U.S. and Canadian safety standards
Standard 555 & 555S (Listing # R13317)



SUMMARY

ID #	TAG	QTY	Width	Height	CONFIGURATION			
28-1	34x20	2	34.000 in.	20.000 in.	Compact Configuration: No	Actuator Mounting: Internal	Actuator Location: Left Side	Drive Arrangement: Drive-MLS-21-1FIL-1
					Actuator Mfr: Honeywell	Actuator Model: MS4109F1010	Actuator Qty: 1	Act. Orientation: Parallel
					Sleeve Length: 20.000 in.	Sleeve Thickness: 20 ga	Damper Location: 7.188 in.	Mounting: Vertical
					Component Location Code: N/A			

AMCA



Greenheck Fan Corporation certifies that the model shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Programs. The AMCA Certified Ratings Seal applies to air performance ratings only.

Damper Drive Arrangements Job Summary -Start-

Drive Arrangement: Drive-MLS-21-1FIL-1

Damper Drive Arrangements Job Summary -End-

Shipping Container Information from United States

Ship QTY	Mark Name	Model	Length (in.)	Width (in.)	Height (in.)	Volume (Total) (ft3)	Weight (Total) (lb)
2	FSD ADDED (7-31-23) - Line 1	FSD-311	20	34	20	18.5	C/F

US Totals 18.5 0

NOTES : 1. Volume, weight, length, width, and height data are only an estimate of packaged product dimensions.
2. All values are subject to change and/or may vary depending on selected options and accessories.
3. Please consult factory (C/F) for additional information.

Application

Model FSD-311 is a high performance combination fire smoke damper with Class I leakage. High strength airfoil blades ensure the lowest resistance to airflow in HVAC systems with velocities to 4000 fpm (20.3 m/s) and pressures to 8 in. wg (2 kPa). Model FSD-311 may be installed vertically (with blades running horizontal) or horizontally and is rated for airflow and leakage in either direction.

Ratings

UL 555 Fire Resistance Rating

Fire Rating: 1½ hours

Dynamic Closure Rating: Actual ratings are size dependent

Velocity: Up to 4000 fpm (20.3 m/s)

Pressure: Up to 8 in. wg (2 kPa)

UL 555S Leakage Rating

Leakage Class: I

Operational Rating: Actual ratings are size dependent

Velocity: Up to 4000 fpm (20.3 m/s)

Pressure: Up to 8 in. wg (2 kPa)

Temperature: Up to 350°F (177°C) - depending upon the actuator



Width and Height dimensions furnished approximately ¼ in. (6mm) undersize. Add sleeve thickness for overall sleeved damper dimension. Right hand drive is shown. Left hand drive is available upon request.



See complete marking on product.

UL 555 and UL 555S
Classification R13317

Construction

	Standard	Optional
Frame Material	Galvanized steel	-
Frame Material Thickness	16 ga. (1.5mm)	-
Frame Type	5 in. x 1 in. (127mm x 25mm) hat channel	-
Blade Material	Galvanized steel	-
Blade Material Thickness	14 ga. (2mm) equivalent	-
Blade Type	Airfoil	-
Blade Action	Opposed	-
Linkage	Plated steel out of airstream, concealed in jamb	316SS
Axle Bearings	316SS	-
Axle Material	Plated steel	316SS
Blade Seals	Silicone	-
Jamb Seals	Stainless Steel	-
Closure Device	RRL	RRL/OCI, TOR, Fusible Link
Closure Temperature	165°F (74°C)	212°F (100°C), 250°F (121°C), 286°F (141°C)*, 350°F (177°C)

Model FSD-311 meets the requirements for fire dampers, smoke dampers and combination fire smoke dampers established by:

National Fire Protection Association

NFPA Standards 80, 90A, 92, 101 & 105

IBC International Building Codes

CSFM California State Fire Marshal

Fire Damper Listing (#3225-0981:103)

Leakage (Smoke) Damper Listing (#3230-0981:104)

W x H	Minimum Size	Maximum Size		
		Single Section	Multiple Section	
Inches	6 x 6	32 x 50	Horizontal	Vertical
mm	152 x 152	813 x 1270	3658 x 2438	3251 x 2540

*Note: Maximum sizes are dependent on velocities and pressure.

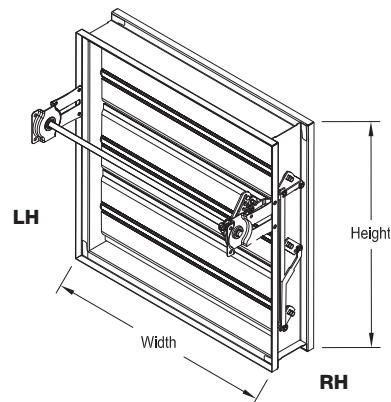
Note:

The frames are constructed with reinforced corners. Low profile head and sill are used on sizes less than 17 in. (432mm) high for lower pressure drop and improved damper performance.

*only available with fusible link

Options and Accessories

- [Breakaway connections](#)
- Clean wrap
- [Greenheck test switches \(GTS\)](#)
- [Grille tabs](#)
- [Momentary switches](#)
- [Retaining angles](#)
- [RRL/OCI](#)
- [Security bars](#)
- Sealed transitions and sleeve
- Smoke detectors
- [TOR](#)
- Transitions: C, O, R



Document Links

[Installation Instructions](#)



[Life Safety Damper Catalog](#)



[Damper Product Selection Guide](#)



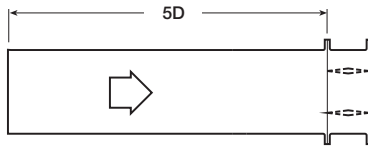
[Specifications](#)



[Damper Warranty](#)



AMCA Figure 5.2



12 in. x 12 in. (305mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.11
1500	0.24
2000	0.42
2500	0.66
3000	0.95
3500	1.30
4000	1.70

24 in. x 24 in. (610mm x 610mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.06
1500	0.12
2000	0.22
2500	0.34
3000	0.49
3500	0.67
4000	0.87

36 in. x 36 in. (914mm x 914mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.05
1500	0.12
2000	0.21
2500	0.32
3000	0.47
3500	0.63
4000	0.83

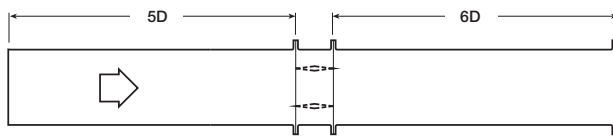
12 in. X 48 in. (305mm x 1219mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.05
1500	0.12
2000	0.21
2500	0.33
3000	0.48
3500	0.65
4000	0.85

48 in. x 12 in. (1219mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.02
1000	0.08
1500	0.18
2000	0.33
2500	0.51
3000	0.74
3500	1.00
4000	1.31

AMCA Figure 5.3



12 in. x 12 in. (305mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.06
1500	0.13
2000	0.23
2500	0.37
3000	0.53
3500	0.73
4000	0.95

24 in. x 24 in. (610mm x 610mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.02
1500	0.06
2000	0.10
2500	0.16
3000	0.23
3500	0.32
4000	0.42

36 in. x 36 in. (914mm x 914mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.02
1500	0.05
2000	0.09
2500	0.14
3000	0.21
3500	0.29
4000	0.38

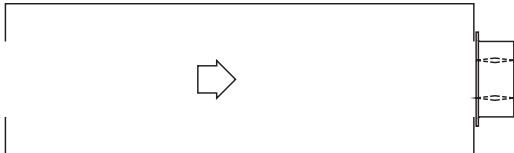
12 in. X 48 in. (305mm x 1219mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.03
1500	0.06
2000	0.11
2500	0.18
3000	0.25
3500	0.34
4000	0.45

48 in. x 12 in. (1219mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.04
1500	0.10
2000	0.18
2500	0.29
3000	0.42
3500	0.57
4000	0.74

AMCA Figure 5.5



12 in. x 12 in. (305mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.04
1000	0.18
1500	0.42
2000	0.75
2500	1.17
3000	1.68
3500	2.29
4000	2.09

24 in. x 24 in. (610mm x 610mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.13
1500	0.29
2000	0.52
2500	0.81
3000	1.17
3500	1.60
4000	2.14

36 in. x 36 in. (914mm x 914mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.12
1500	0.27
2000	0.48
2500	0.75
3000	1.08
3500	1.48
4000	1.93

12 in. X 48 in. (305mm x 1219mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.12
1500	0.27
2000	0.49
2500	0.77
3000	1.11
3500	1.51
4000	1.97

48 in. x 12 in. (1219mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.14
1500	0.32
2000	0.57
2500	0.89
3000	1.28
3500	1.75
4000	2.29

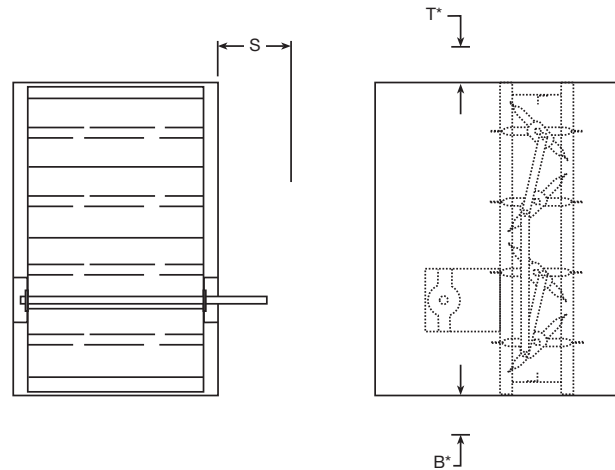


Greenheck Fan Corporation certifies that the model FSD-311 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Programs. The AMCA Certified Ratings Seal applies to air performance ratings only.

Space Envelopes

Externally mounted actuators always require space outside of the damper sleeve. The “S” dimension illustrates the clearance required for various available actuators.

On damper less than 18 in. (457mm), actuators may also require clearances above and/or below the sleeve. “B” and “T” dimensions are worst case clearance requirements for some dampers less than 18 in. (457mm) high. All dampers 18 in. (457mm) or more in height, do not require these worst case clearances. If space availability above or below the damper sleeve is limited, each damper size should be individually evaluated.

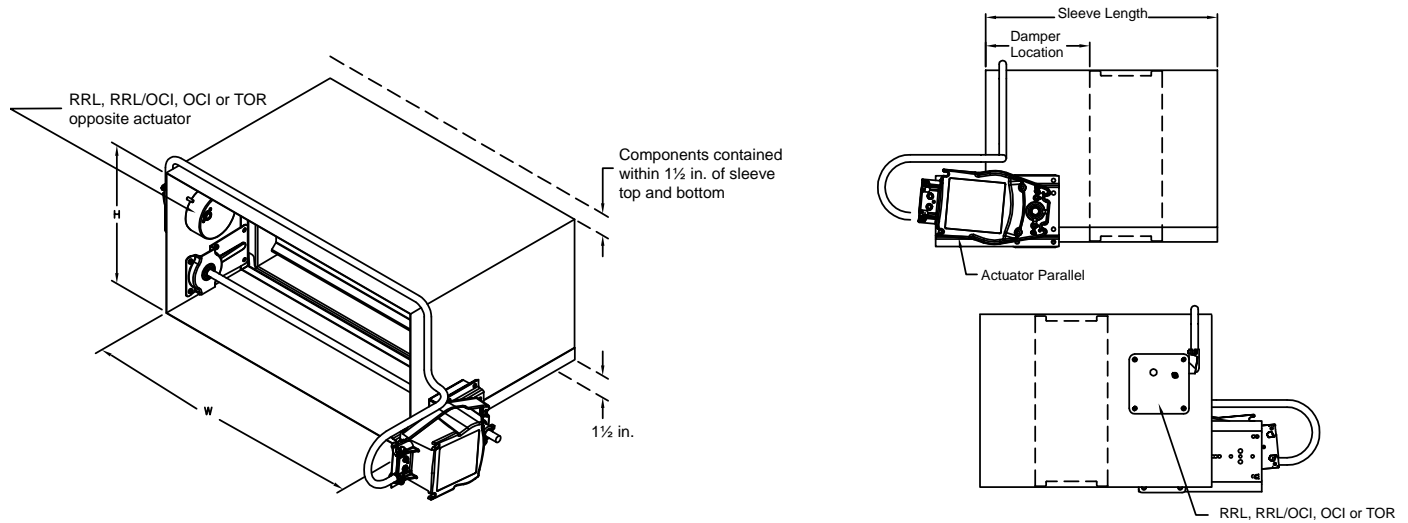


Actuator Type/Model	B*	T*	S	
	With RRL, RRL/OCI, or TOR	With RRL, RRL/OCI, or TOR	Piggyback	
			No	Yes
120 Volt AC				
FSLF120 (-S) Belimo	7 ¹¹ / ₁₆ in. (195mm)	0	6 in. (152mm)	NA
FSNF120 (-S) Belimo	½ in. (13mm)	9 ¹³ / ₁₆ in. (249mm)	6 in. (152mm)	9 in. (229mm)
FSTF120 (-S) Belimo	7 ¹¹ / ₁₆ in. (195mm)	0	6 in. (152mm)	NA
MS4104 Series Honeywell	½ in. (13mm)	8½ in. (216mm)	6 in. (152mm)	NA
MS4X09 Series Honeywell	½ in. (13mm)	8½ in. (216mm)	6 in. (152mm)	NA
MS4120 Series Honeywell	½ in. (13mm)	9 ¹³ / ₁₆ in. (249mm)	6 in. (152mm)	9 in. (229mm)
24 Volt AC				
FSAF24 (-S) Belimo	½ in. (13mm)	9 ¹³ / ₁₆ in. (249mm)	6 in. (152mm)	NA
FSTF24 (-S) Belimo	7 ¹¹ / ₁₆ in. (195mm)	½ in. (13mm)	6 in. (152mm)	NA
FSLF24-S Belimo	7 ¹¹ / ₁₆ in. (195mm)	0	6 in. (152mm)	NA
FSNF24 (-S) Belimo	½ in. (13mm)	9 ¹³ / ₁₆ in. (249mm)	6 in. (152mm)	9 in. (229mm)
MS8104 Series Honeywell	½ in. (13mm)	8½ in. (216mm)	6 in. (152mm)	NA
MS8120 Series Honeywell	½ in. (13mm)	9 ¹³ / ₁₆ in. (249mm)	6 in. (152mm)	9 in. (229mm)
230 Volt AC				
FSLF230-S Belimo	7 ¹¹ / ₁₆ in. (195mm)	0	6 in. (152mm)	NA
FSNF230-S Belimo	½ in. (13mm)	9 ¹³ / ₁₆ in. (249mm)	6 in. (152mm)	9 in. (229mm)
MS4604 Series Honeywell	½ in. (13mm)	8½ in. (216mm)	6 in. (152mm)	NA
MS4X09 Series Honeywell	½ in. (13mm)	8½ in. (216mm)	6 in. (152mm)	NA
MS4620 Series Honeywell	½ in. (13mm)	9 ¹³ / ₁₆ in. (249mm)	6 in. (152mm)	9 in. (229mm)

* For dampers 18 in. (457mm) or more in height these dimensions are 0 in.

Contained Actuator Option

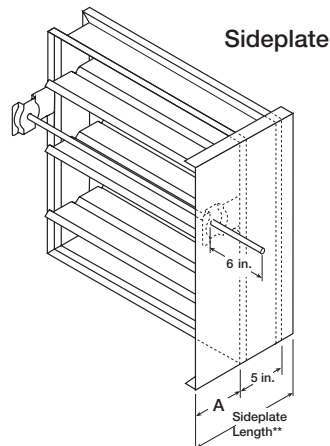
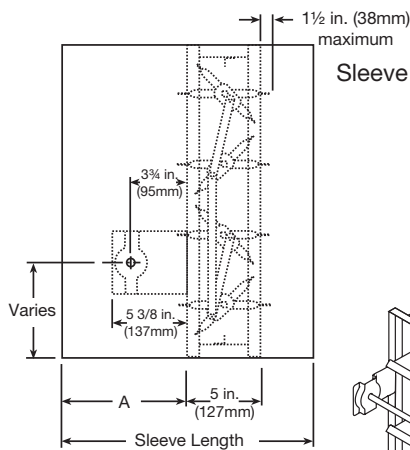
Dampers can be ordered with a “contained actuator option”. This option will result in the actuator being oriented such that it extends no more than 1½ inches above or below the sleeve. Note that some damper configurations that are 11 inches high or less will have the RRL, RRL/OCI, or TOR mounted on the side opposite the actuator when the contained actuator option is selected.



Sleeve and Sideplate Dimensional Data

The drawings below and corresponding table show the position of the FSD-311 damper when mounted in a factory sleeve. The standard mounting locations provide enough space for the mounting of actuators, controls and allow space for installation of retaining angles and duct connections.

The standard location of a damper mounted in a factory sleeve (“A” dimension) is shown below. The damper can be positioned at other locations within a range of 6 in. (152mm) to 16 in. (406mm) for the “A” dimension.



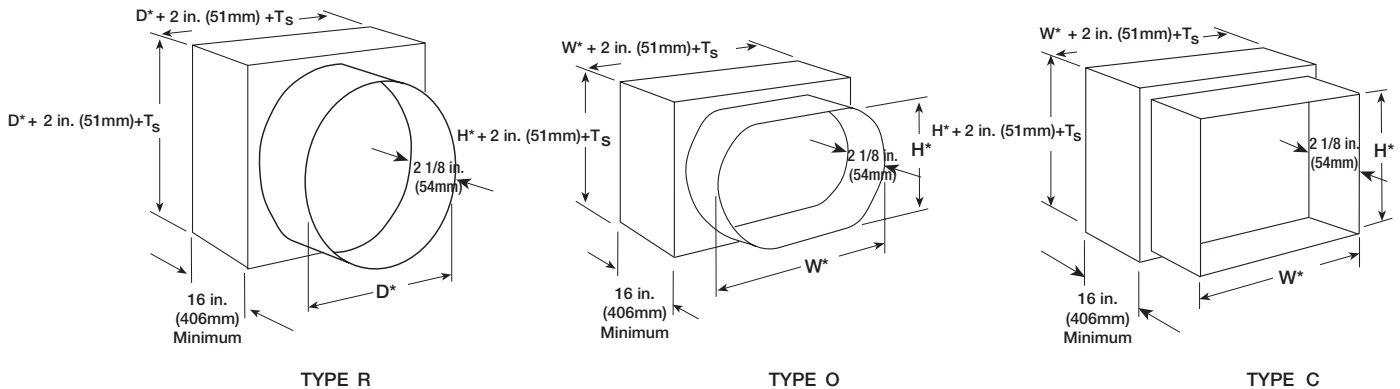
in. (mm)	"A" Dimension		
	Sleeve Std	Sleeve Max	Sideplate
All Dampers (RRL)	7 7/16 in. (183)	16 (406)	6 3/16 (157)
When Height is 11 in. (279) or less with RRL, RRL/OCI, or TOR	12 (305)	16 (406)	12 (305)

NOTE: Entire damper frame is not required to be installed within the wall. The damper blades, when closed should be contained within the wall.

Transitioned Damper Dimensions

Combination Fire Smoke Damper

When a combination fire smoke damper is being used in conjunction with round or oval ductwork, the FSD-311 can be supplied in a factory sleeve with round or oval transitions on both ends of the sleeve. Dampers should be ordered to the duct dimensions. Drawings below show overall damper size.

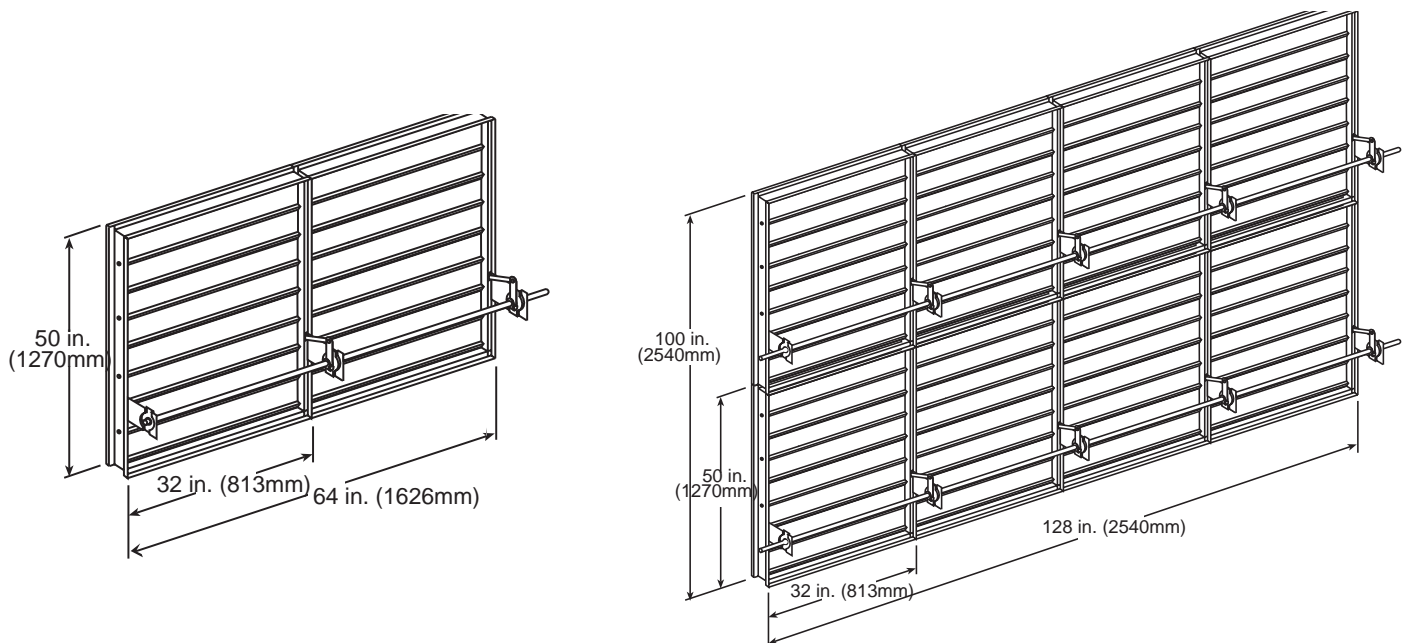


*These dimensions are furnished approximately 1/4 in. (6mm) undersize, except round and oval dimensions which are approximately 1/8 in. (3mm) undersize.

Ts = (2)(Sleeve Thickness)

Multiple Sections Damper

Dampers larger than maximum single section size are supplied as a factory assembly of two or more sections of equal size. The following figures show maximum damper section size and assembly configurations for multi-section dampers.



Two Sections

**Four sections wide
Two sections high**

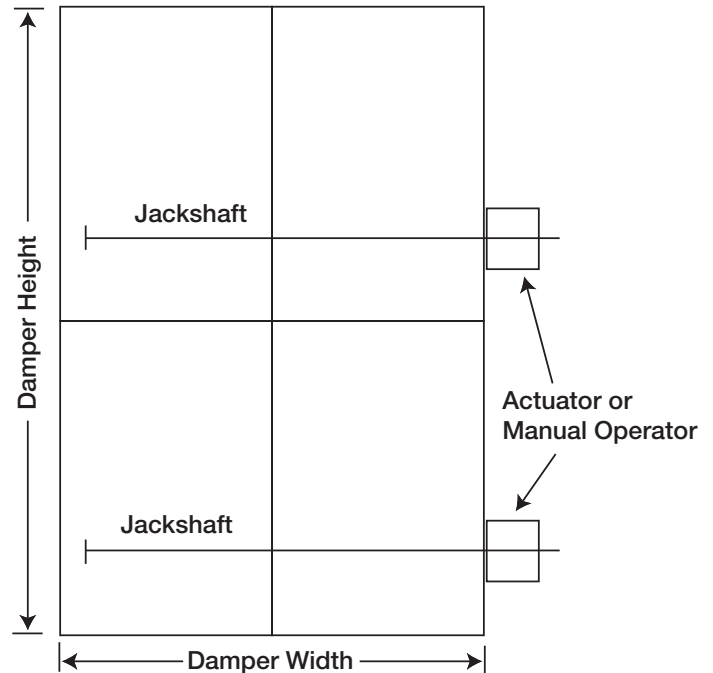
Drive Arrangement Definition

Actuator driven dampers are supplied with a drive arrangement code that helps describe the configuration of the damper. The following breaks down what each number and letter represents.

22-2FER-2

① ② ③ ④ ⑤ ⑥ ⑦

- ① Number of sections wide
- ② Number of sections high
- ③ Number of actuators or manual operators (such as quadrants, pull chain, etc.)
- ④ Who supplies the actuators or manual operators
F - Factory
C - Customer Supplied (field mounted)
- ⑤ Actuator or manual operators mounting
E - External
I - Internal
B - Both internal and external
- ⑥ Actuator or manual operators location
L - Left hand drive
R - Right hand drive
B - Both right and left
- ⑦ Number of jackshafts



Each damper is supplied with a Drive Arrangement Prefix to help describe its construction. See the following examples:

Model	Drive Arrangement Prefix
AMD series, AMD-TD series	AMD
FBH & FBV	FB
DFD-210; DFDAF-310, DFDAF-330; SEDFD-210 FSD, OFSD, CFSD, SMD, SEFSD, SSFSD, SESMD, SSSMD series (except vertical blade models)	MLS
ICD series, MBD-15 & VCD series (except vertical blade models)	CC
FSD-311V, SMD-301V, VCD-xxV	VB



RRL/OCI

Resettable Link Option with Blade Indicator for Combination Fire Smoke Dampers

Application

The RRL/OCI is a closure and position indication device for combination fire smoke dampers. It combines the functionality of a resettable, reusable link (RRL) with an open or close blade indicator (OCI).

The RRL device includes an electric sensor (thermostat) with a fixed temperature the specified temperature is reached, the sensor interrupts power to the actuator which causes the internal spring return mechanism to close the damper. The RRL can be reset after the temperature has cooled down below the sensor set point. The following temperature setting options are available for the RRL: 165°F (74°C), 212°F (100°C), 250°F (121°C) or 350°F (177°C).

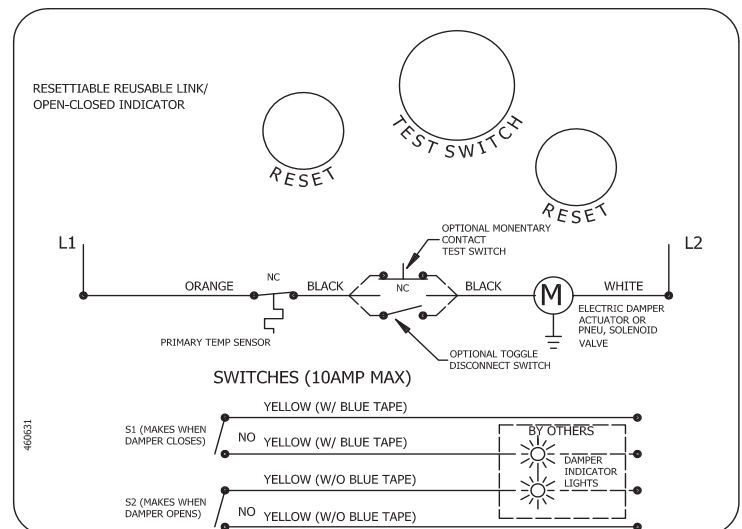
Note that available temperature setting options are dependent on damper ratings. Before resetting any sensor, a careful inspection of the damper and sensor should be made as exposure to actual fire conditions may render these devices unusable.

The OCI assembly contains two single pole, single throw switches that are used to indicate damper blade position. One switch provides a positive signal when the damper blades are in the open position, while the other switch provides a positive signal when the damper is closed. These switches can be used in conjunction with remote indicator lights or a building automation system (furnished by others) to monitor damper blade position from a remote location. The OCI is commonly used in active smoke control applications to positively indicate the status of all smoke and combination fire smoke dampers in a building. The single pole, single throw switch assembly may also be used to provide a start/stop control circuit for remote fan installations.

Note that in order to meet UL requirements, factory installation of the damper actuator and factory wiring of the electric sensor is required.



Temperature	Assembly Number	Field Kit Number
165°F (74°C)	820733	852291
212°F (100°C)	821277	-
250°F (121°C)	824673	-
350°F (177°C)	824674	852468





POC Retaining Angle

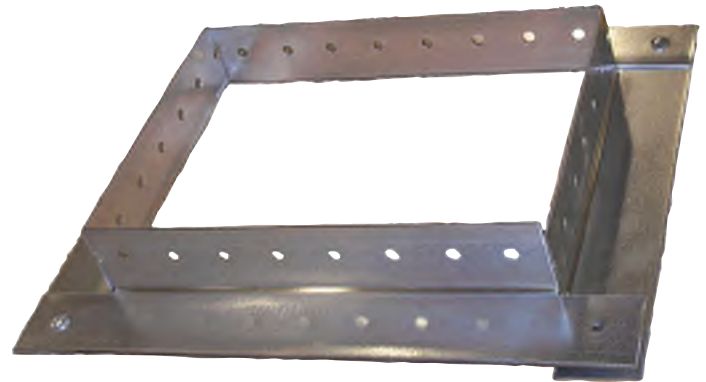
Application

Greenheck's one piece retaining angle, the POC (literally named for being a "Piece of Cake") makes damper installation a breeze. The POC angle is designed by fastening four pieces together to form one piece. When installed the angles simply wraps around the sleeve of the damper and is fastened in place.

Retaining angles for 1½ hour rated fire and combination fire smoke dampers with a width and height 48 in. (1219mm) or less must be a minimum of 20 ga. (1mm) steel. Retaining angles for all 3 hour rated dampers and all dampers with a width or height greater than 48 in. (1219mm) must be a minimum of 16 ga. (1.5mm).

If the damper width plus damper height is less than or equal to 44 inches (1117mm), then the POC angles ship in one piece. If damper width plus damper height is greater than 44 in. (1117mm), the POC angle ships in two pieces.

The POC retaining angles meets the requirements of UL 555 and UL 555S.



Retaining angle as shipped from the factory.

The four sides are connected together by rivets in three corners allowing for easy installation.

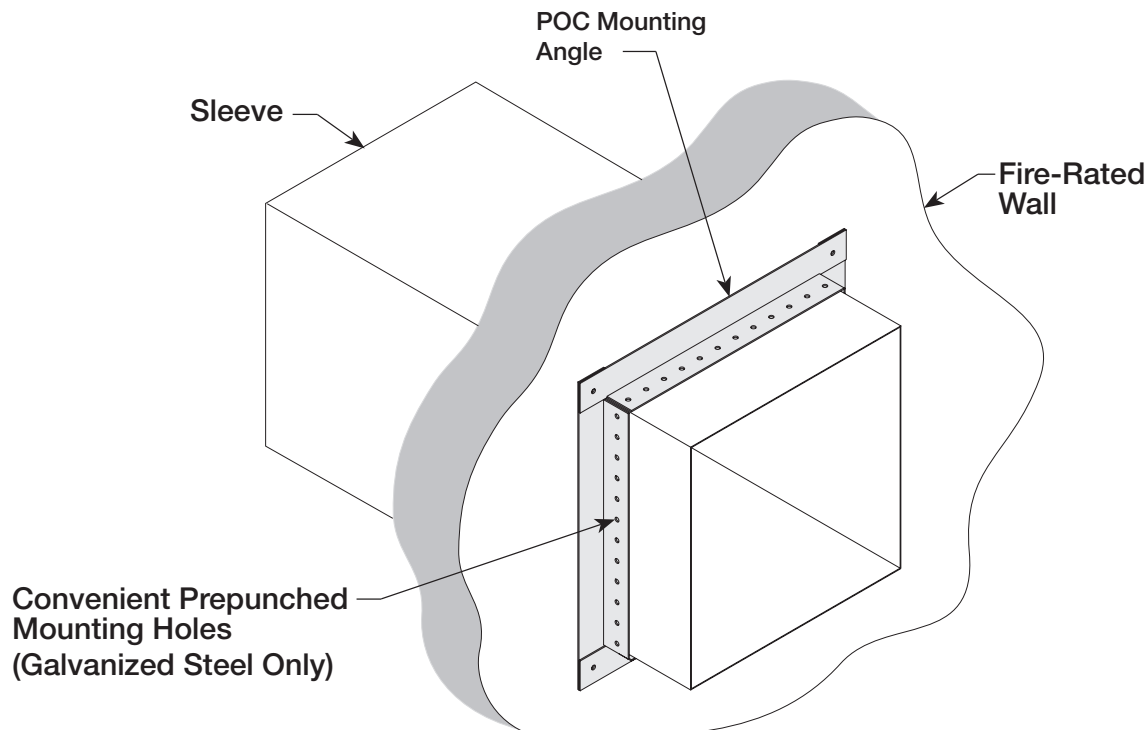
Construction

Material

20 ga. (1mm) or 16 ga. (1.5mm) galvanized steel

Sizes

1½ in. x 1¼ in. (38mm x 32mm) or 2½ x 1½ in. (64mm x 38mm) for sizes greater than 48 inches (1219mm)



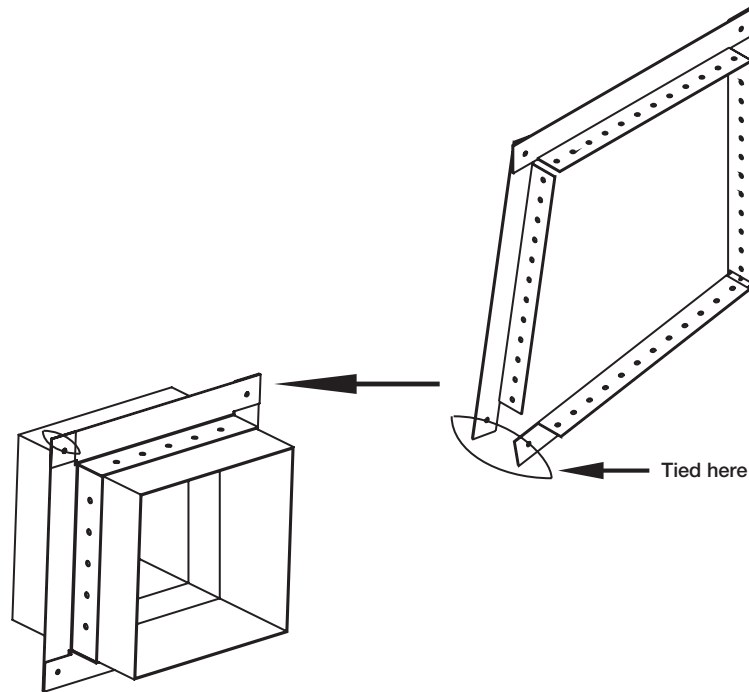
Retaining angle as mounted in the field.

The POC angle wraps around the sleeve. The factory provides prepunched mounting holes to further simplify installation. SS retaining angles are provided without prepunched mounting holes.

Available Retaining Angle Options:

Description

- **Loose** - Angle(s) ships unattached to the damper. (DFD series , FD Series, FSD series, VCD series)
- **Wrapped** - Angle is wrapped around the damper sleeve and tied together. (DFD series , FD Series, FSD series)



MS4104, MS4109, MS4604, MS4609, MS8104, MS8109 Fast-Acting, Two-Position Actuators

FOR FIRE/SMOKE CONTROL APPLICATIONS

PRODUCT DATA



APPLICATION

The MS4104, MS4109, MS4604, MS4609, MS8104 and MS8109 Fast-Acting, Two-Position Actuators are spring return direct coupled actuators (DCA) for Fire and Smoke dampers (on/off control). The actuator accepts an on/off signal from a single-pole, single-throw (SPST) controller. Reversible mounting allows actuator to be used for either clockwise (cw) or counterclockwise (ccw) spring rotation.

FEATURES

- 30 lb-in. (3.4 N•m) or 80 lb-in. (9 N•m) minimum driving torque at 350°F (176°C).
- Reversible mounting facilitates use in either clockwise (cw) or counterclockwise (ccw) spring rotation.
- Integral spring return ensures level of return torque.
- Fifteen-second spring return timing.
- No special cycling required during long-term holding. (See Operation section.)
- No audible noise during holding.
- Patent pending design eliminates need for limit switches to reduce power consumption.
- Models available for 24, 120, and 230 Vac.
- Ninety-five degree angle of rotation.
- Actuator holds rated torque at reduced power level.
- Die-cast aluminum housing.
- Housing design allows flush mounting to damper.
- Designed to operate reliably in smoke control systems requiring Underwriter's Laboratories Inc. UL555S ratings up to 350°F.
- Non-UL marked models available.
- Models available with SPST position-indicating switches (7°, 85° stroke).

Contents

Application	1
Features	1
Specifications	2
Ordering Information	2
Installation	4
Operation	6
Checkout	6



63-2740-11

SPECIFICATIONS

Models: See Table 1.

Table 1. Models.

Model ^a	Voltage (Vac)	Internal Auxiliary Switches
MS4104F1010	120	None
MS4104F1210	120	2 SPST ^b
MS4109F1010	120	None
MS4109F1210	120	2 SPST ^b
MS4604F1010	230	None
MS4604F1210	230	2 SPST ^b
MS4609F1010	230	None
MS4609F1210	230	2 SPST ^b
MS8104F1010	24	None
MS8104F1210	24	2 SPST ^b
MS8109F1010	24	None
MS8109F1210	24	2 SPST ^b

^a Product model numbers with 'NM' at the end do not contain an UL listing or marking. Check with local codes and authority having jurisdiction prior to commissioning this product type.

^b Internal switches are designed to pass UL555S requirements (at 350°F for 30 minutes) and are intended for use as position indication, if applicable.

Dimensions: See Fig. 1.

Minimum Damper Shaft Length: 2 in. (51 mm).

Device Weight: 5 lb (2.3 kg).

Stroke: 95° ± 3°, mechanically limited.

Electrical Ratings: See Table 2.

Electrical Connections:

Power Lead Wires:

MS410xF and MS460xF: 32 inches (0.8m), 18 AWG

MS810xF: 39 inches (1m), 18 AWG

Switch Lead Wires: 18 inches, 18 AWG, 2 color coded leads

Mounting: Round 1/2 inch shaft adapter with 1/4 inch set screws.

Threads: 1/4-20 UNC-2A

Material: Alloy Steel hardened to HRC 45-53

Thread Lock: Nylon Patch

IMPORTANT

Honeywell does not recommend using linkages with these actuators because side-loading of the output hub reduces actuator life.

Temperature Ratings:

Ambient: 0°F to 130°F (-18°C to 55°C).

Shipping and Storage: -40°F to 140°F (-40°C to 60°C).

IMPORTANT

The actuator is designed to meet UL555S standards at 350°F (176°C) on applicable marked models. The actuator must be tested with the damper to achieve this rating.

Humidity Ratings: 5% to 95% RH noncondensing.

Noise Rating (Maximum):

Driving Open: 75 dBA at 1m.

Holding: 20 dBA at 1m (no audible noise).

Controller Type:

MS4104, MS4109: Line voltage (120 Vac), two-position, SPST (Series 40).

MS4604, MS4609: Line voltage (230 Vac), two-position, SPST (Series 40).

MS8104, MS8109: Low voltage (24 Vac), two-position, SPST (Series 80).

Table 2. MS4104, MS4109, MS4604, MS4609, MS8104 and MS8109 DCA Models.

Model	Power Consumption		Torque in lb-in. (N•m)	Voltage Input in Vac
	Running	Holding		
MS4104F	0.18A, 18W	0.11A, 9W	30 (3.4)	120 ±10%, 50/60 Hz
MS4109F	0.25A, 23W	0.13A, 7W	80 (9)	
MS4604F	0.13A, 18W	0.10A, 11W	30 (3.4)	230 ±10%, 50/60 Hz
MS4609F	0.13A, 23W	0.09A, 7W	80 (9)	
MS8104F	16 VA	8 VA	30 (3.4)	24Vac/dc +20%, -10%, 50/60 Hz
MS8109F	23 VA	7 VA	80 (9)	

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number. If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Environmental and Combustion Controls Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1985 Douglas Drive North
Golden Valley, Minnesota 55422-4386
3. <http://customer.honeywell.com> or <http://customer.honeywell.ca>

International Sales and Service Offices in all principal cities of the world. Manufacturing in Belgium, Canada, China, Czech Republic, Germany, Hungary, Italy, Mexico, Netherlands, United Kingdom, and United States.

Torque Rating (at rated voltage):

Spring Return:

MS4104F, MS4604F, MS8104F: 30 lb-in. (3.4 N•m).

MS4109F, MS4609F, MS8109: 80 lb-in. (9 N•m).

Stall Maximum:

MS4104F, MS4604F, MS8104F: 150 lb-in. (17 N•m).

MS4109F, MS4609F, MS8109: 240 lb-in. (27 N•m).

350°F Driving:

MS4104F, MS4604F, MS8104F: 30 lb-in. (3.4 N•m).

MS4109F, MS4609F, MS8109: 80 lb-in. (9 N•m).

Timing (At Rated Torque and Voltage):

Drive Open: 15 seconds typical.

Spring Close: 15 seconds typical.

Auxiliary Switches:

Ratings (maximum load):

•MS4104F, MS4604F, MS4109F, MS4609F:

125 Vac/24Vdc, 3A resistive

•MS8104F, MS8109F:

24 Vac/24 Vdc, 3A resistive

Settings (fixed): 7° nominal stroke, 85° nominal stroke

Cycling Requirements:

The actuator and the internal spring are designed to require no special cycling during long-term holding.

Honeywell recommends following all local, state and national codes for periodic testing of the entire smoke control system. Refer to National Fire Protection Association (NFPA) National Fire Codes®: NFPA90A, NFPA92A and NFPA92B for your application.

NFPA recommends periodic examination of each fire/smoke damper (semi-annually or annually) to ensure proper performance.

Design Life (at Rated Voltage): 30,000 full stroke cycles.**Approvals:** See Table 3.**Environmental Protection Ratings:** See Table 4.**Accessories:**

205649 Mounting Bracket (supplied with actuator).

32003168-004 Shaft Adapter Extension.

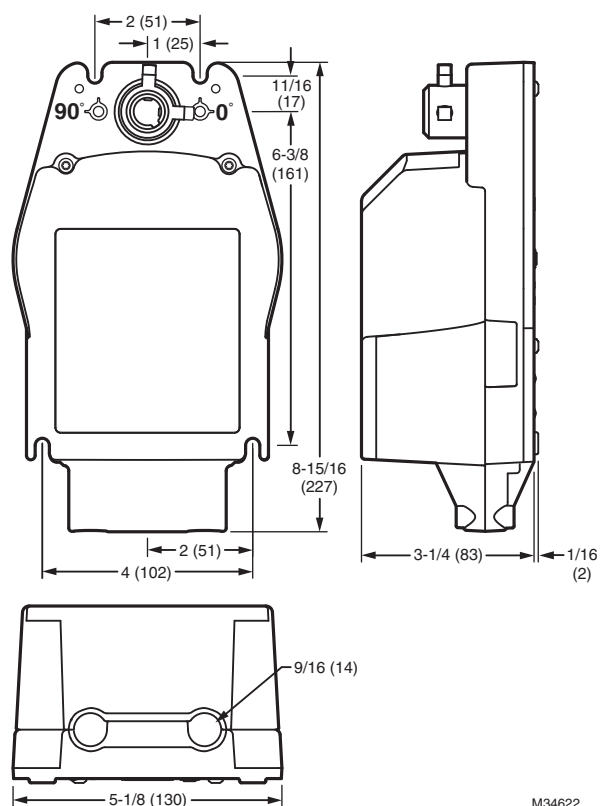
50006427-001 Flexible Anti-Rotation Bracket.

Table 3. Approvals.

	MS4104F, MS4109F	MS4604F, MS4609F	MS8104F, MS8109F
UL/cUL (optional)	X	X	X
UL60730 (optional)	X	X	X
CE	X	X	X
C-Tick	X	X	X

Table 4. Environmental Ratings.

All Devices	MS4104, MS4109, MS4604, MS4609, MS8104 and MS8109
NEMA1	IP40



M34622

Fig. 1. MS4104, MS4109, MS4604, MS4609, MS8104 and MS8109 dimensional drawing in in. (mm).

INSTALLATION

When Installing this Product...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.

IMPORTANT

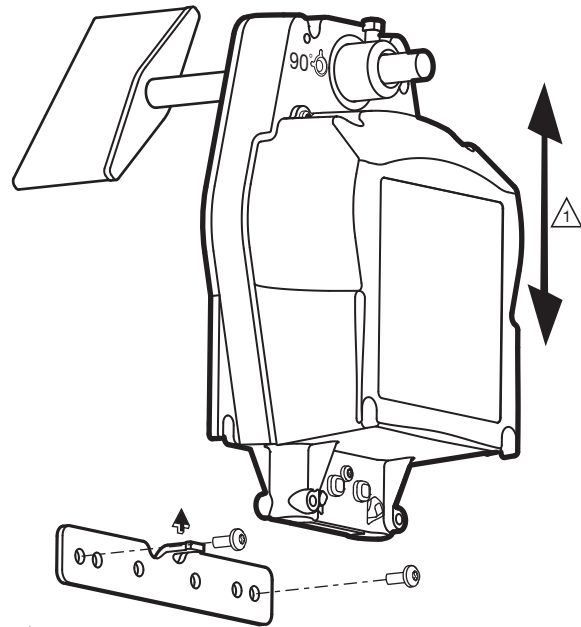
All wiring must agree with applicable codes, ordinances and regulations.

WARNING

Electrical Power Hazard.
Line voltage can cause death or serious injury and short equipment circuitry.
Disconnect power supply before installation.

CAUTION

Electrical Shock or Equipment Damage Hazard.
Low voltage can shock individuals or short equipment circuitry.
Disconnect power supply before installation.



ENSURE THAT MOUNTING ASSEMBLY PREVENTS ACTUATOR ROTATION AND ALLOWS ACTUATOR TO FLOAT ALONG INDICATED AXIS. WHEN TOO TIGHT, THE RESULTING BINDING CAN DAMAGE THE ACTUATOR OR REDUCE TORQUE OUTPUT.

M34623A

Fig. 2. Mounting actuator to damper housing.

Location and Mounting

The actuators are designed to open a damper by driving the damper shaft in either clockwise or counterclockwise direction. The actuator housing has two slots on the bottom that, with a 205649 Mounting Bracket, secure it flush to a damper box (see Fig. 2). When mounted correctly, these slots allow the actuator to float without rotating relative to the damper shaft.

CAUTION

Equipment Damage Hazard.
Tightly securing actuator to damper housing can damage actuator.
Mount actuator to allow it to float along its vertical axis.

Preparation

Before mounting the actuator onto the damper shaft, determine the:

- Damper/valve opening direction for correct spring return rotation. The actuator can be mounted to provide clockwise or counterclockwise spring return.
- Damper shaft size (see Specifications section).

Installation



CAUTION

Device Malfunction Hazard.

Improper set screw tightening causes device malfunction.

Ensure damper blade is in the correct position and tighten set screws with proper torque to prevent damper shaft slippage.



CAUTION

Actuator Damage Hazard.

Using actuator as shaft bearing causes device damage.

Use actuator only to supply rotational torque. Avoid any side loads to actuator output coupling bearings.

To install actuator, proceed as follows:

1. Place actuator over damper shaft; and hold mounting bracket in place. See Fig. 2.
2. Mark screw holes on damper housing.
3. Remove actuator and mounting bracket.
4. Drill or center-punch holes for mounting screws (or use no.10 self-tapping sheet metal screws).
5. Turn damper blades to desired normal (closed) position.
6. Place actuator and mounting bracket back into position and secure bracket to damper box with sheet metal screws.
7. Tighten set screws securely into damper shaft using minimum 100 lb-in., maximum 130 lb-in. torque. Use 1/4 in. wrench (see Specifications for details) to tighten set screws.

Wiring

See Fig. 3 through 5 for typical wiring diagrams.



WARNING

Electrical Power Hazard.

Line voltage can cause death or serious injury and short equipment circuitry.

Disconnect power supply before installation.



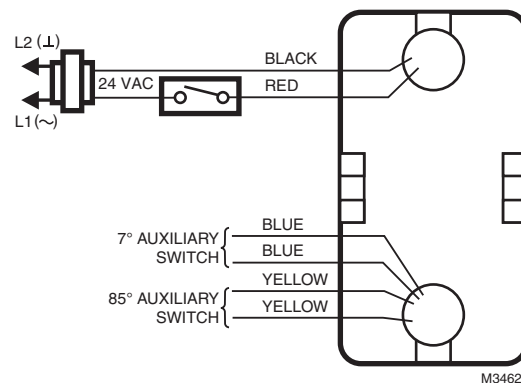
CAUTION

Electrical Shock or Equipment Damage Hazard.
Low voltage can shock individuals or short equipment circuitry.

Disconnect power supply before installation.

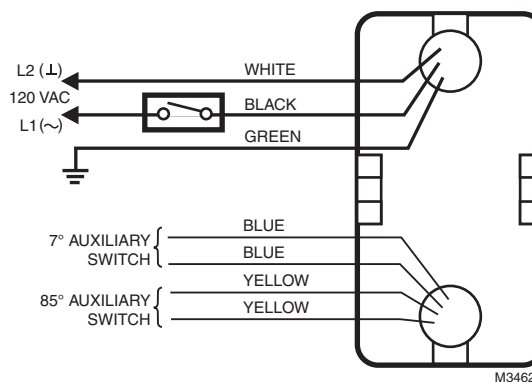
IMPORTANT

1. All wiring must comply with local electrical codes, ordinances and regulations.
2. Voltage and frequency of transformer must correspond with the characteristics of power supply and actuator.
3. Use wires rated for at least 75°C (167°F).
4. The conduit fittings are designed for use with 3/8 in. reduced-wall steel or aluminum flexible conduit.



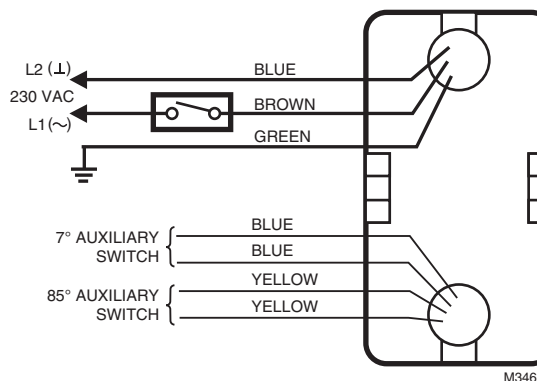
M34624

Fig. 3. Typical 24 Vac wiring.



M34625

Fig. 4. Typical 120 Vac wiring.



M34626

Fig. 5. Typical 230 Vac wiring.

OPERATION

The MS4104, MS4109, MS4604, MS4609, MS8104 and MS8109 DCA are designed for use in Smoke Control Systems. If power fails, the actuator spring returns to the 0° position. The actuator mounts flush with the damper box. The actuator drives from 0° to 95° and spring returns back to 0°.

The actuators are operated by an spst two-position controller. When using an spst two-position controller, the actuator drives to the damper fully open position when controller contact makes and spring returns to the damper fully closed position when controller contact breaks. The actuator drops to holding power level on detection of stall, independent of hub position.

Cycling

The actuator and the internal spring are designed so that no special cycling during long-term holding is required. Honeywell recommends following all local, state, and national codes for periodic testing of the entire smoke control system. Refer to National Fire Protection Association (NFPA) National Fire Codes®: NFPA90A, NFPA92A, and NFPA92B for your application.

NOTE: The actuator is designed to operate for 30 minutes during a one-time excursion to 350°F (176°C).

CHECKOUT

MS4104F, MS4109F (120 Vac model)

1. Check damper position.
2. Connect 120 Vac to the black and white leadwires to drive the damper to the open position. The actuator should drive the damper.
3. If the actuator does not spring return, verify that the actuator is properly installed. See Installation section.
4. If the actuator is correctly installed but neither runs nor spring returns, replace the actuator.

MS4604F, MS4609F (230 Vac model)

1. Check damper position.
2. Connect 230 Vac to the blue and brown leadwires to drive the damper to the open position. The actuator should drive the damper.
3. If the actuator does not spring return, verify that the actuator is properly installed. See Installation section.
4. If the actuator is correctly installed but neither runs nor spring returns, replace the actuator.

MS8104F, MS8109F (24 Vac model)

1. Check damper position.
2. Connect 24 Vac to the red and black leadwires to drive the damper to the open position. The actuator should drive the damper.
3. If the actuator does not spring return, verify that the actuator is properly installed. See Installation section.
4. If the actuator is correctly installed but neither runs nor spring returns, replace the actuator.

National Fire Codes® is a registered trademark of the National Fire Protection Association (NFPA).

Pressure Drop Data

FSD-3xx, SMD-3xx, DFDAF-3xx

This pressure drop testing was conducted in accordance with AMCA Standard 500-D using the three configurations shown. All data has been corrected to represent standard air at a density of $.075 \text{ lb/ft}^3 (1.201 \text{ kg/m}^3)$.

Actual pressure drop found in any HVAC system is a combination of many factors. This pressure drop information along with an analysis of other system influences should be used to estimate actual pressure losses for a damper installed in a given HVAC system.

AMCA Test Figures

Figure 5.3 Illustrates a fully ducted damper. This configuration has the lowest pressure drop of the three test configurations because entrance and exit losses are minimized by straight duct runs upstream and downstream of the damper.

Figure 5.2 Illustrates a ducted damper exhausting air into an open area. This configuration has a lower pressure drop than Figure 5.5 because entrance losses are minimized by a straight duct run upstream of the damper.

Figure 5.5 Illustrates a plenum mounted damper. This configuration has the highest pressure drop because of extremely high entrance and exit losses due to the sudden changes of area in the system.

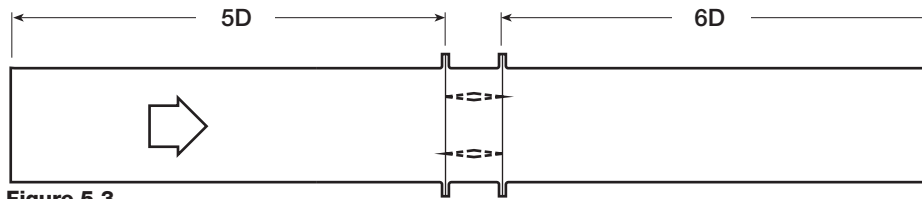


Figure 5.3

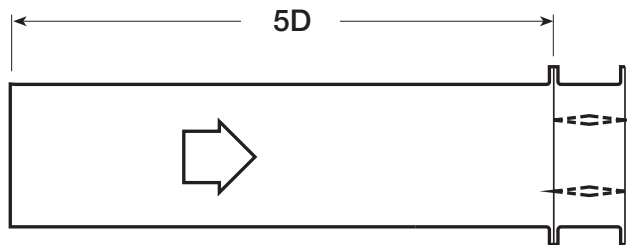


Figure 5.2

$$D = \sqrt{\frac{4(W)(H)}{3.14}}$$

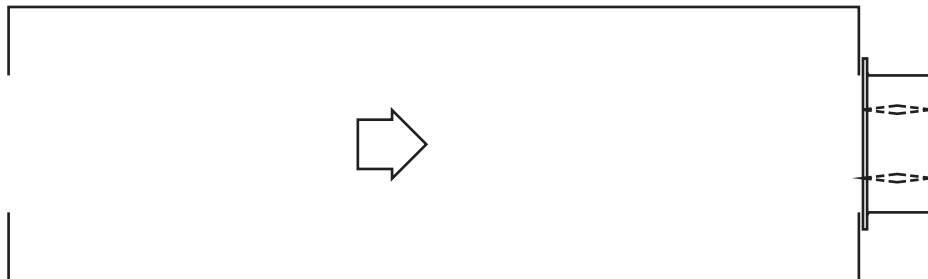
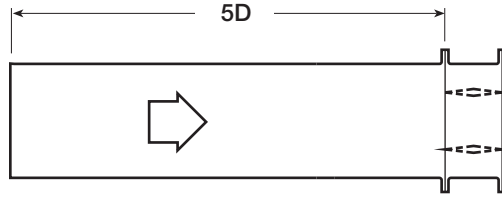


Figure 5.5

Pressure Drop

FSD-3xx, SMD-3xx, DFDAF-3xx

AMCA Figure 5.2



12 in. x 12 in. (305mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.12
1500	0.26
2000	0.46
2500	0.72
3000	1.04
3500	1.41
4000	1.84

24 in. x 24 in. (610mm x 610mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.06
1500	0.12
2000	0.22
2500	0.34
3000	0.49
3500	0.67
4000	0.87

36 in. x 36 in. (914mm x 914mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.06
1500	0.12
2000	0.22
2500	0.34
3000	0.49
3500	0.67
4000	0.88

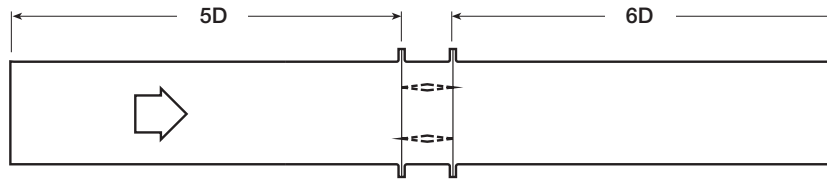
12 in. X 48 in. (305mm x 1219mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.05
1500	0.12
2000	0.21
2500	0.33
3000	0.48
3500	0.65
4000	0.85

48 in. x 12 in. (1219mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.02
1000	0.08
1500	0.18
2000	0.33
2500	0.51
3000	0.74
3500	1.00
4000	1.31

AMCA Figure 5.3



12 in. x 12 in. (305mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.06
1500	0.13
2000	0.23
2500	0.37
3000	0.53
3500	0.73
4000	0.95

24 in. x 24 in. (610mm x 610mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.02
1500	0.06
2000	0.10
2500	0.16
3000	0.23
3500	0.32
4000	0.42

36 in. x 36 in. (914mm x 914mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.02
1500	0.05
2000	0.09
2500	0.14
3000	0.21
3500	0.29
4000	0.38

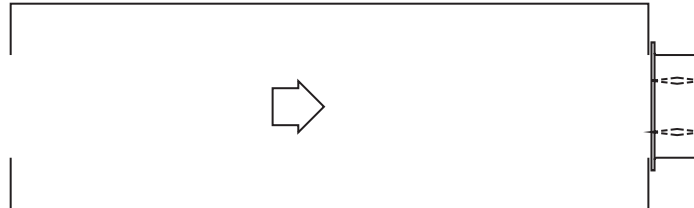
12 in. X 48 in. (305mm x 1219mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.02
1500	0.06
2000	0.10
2500	0.16
3000	0.24
3500	0.33
4000	0.43

48 in. x 12 in. (1219mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.01
1000	0.04
1500	0.10
2000	0.18
2500	0.29
3000	0.42
3500	0.57
4000	0.74

AMCA Figure 5.5



12 in. x 12 in. (305mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.04
1000	0.18
1500	0.42
2000	0.75
2500	1.17
3000	1.68
3500	2.29
4000	2.09

24 in. x 24 in. (610mm x 610mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.13
1500	0.29
2000	0.52
2500	0.81
3000	1.17
3500	1.60
4000	2.14

36 in. x 36 in. (914mm x 914mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.12
1500	0.27
2000	0.48
2500	0.75
3000	1.08
3500	1.48
4000	1.93

12 in. X 48 in. (305mm x 1219mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.12
1500	0.27
2000	0.49
2500	0.77
3000	1.11
3500	1.51
4000	1.97

48 in. x 12 in. (1219mm x 305mm)

Velocity (fpm)	Pressure Drop (in. wg)
500	0.03
1000	0.14
1500	0.32
2000	0.57
2500	0.89
3000	1.28
3500	1.75
4000	2.29



Greenheck Fan Corporation certifies that the model FSD-311, -311M, -312, -312M, -331, DFDAF-310, DFDAF-330, SMD-301, -302, -301M and SMD-302M shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Programs. The AMCA Certified Ratings Seal applies to air performance ratings only.



Change Request

To: Jim Burrows
Skanska USA Building Inc.
253 Summer Street
Boston, MA 02210
Ph: 617-574-1524 Fax: 617-574-1399

Number: CR660
Date: 8/14/23
Job: 2153 Arlington High School
Phone:

Description: Submittal #095100-018.0 K&K Cubical Nurses Curtain Extension Arms for Track (PH 2)_Sub. 081723

Source: Other # 095100-018.0

We offer the following specifications and pricing to make the changes as described below:

CR660 includes K&K Ceiling costs associated with Submittal #095100-018.0 K&K Cubical Nurses Curtain Extension Arms for Track approved by HMFH on 3.20.21. Due to a chain of conflicts starting with MEPFP coordination, the ceiling needed to be lowered from 8'-6" to 8'-4". In addition to the ceiling needing to be lowered due to HVAC, the existing and designed pendant lights come into conflict with the track as originally designed. As requested by HMFH, K&K has provided pricing on extension arms to lower the track to avoid the lights. Note: Ceiling track and curtain have already been released. CCC will not proceed until formal owner direction is provided. Please see attached pricing and associated backup for additional information.

Qualifications + Assumptions:

- Overtime/Acceleration not included
- K&K has released track + curtain

Description	Labor	Material	Equipment	Subcontract	Other	Price
K&K Ceiling - ACT - Proposal dated 8/11/23				\$1,066.00		\$1,066.00
					Subtotal:	\$1,066.00
		Bond (.75%)		\$1,066.00		\$8.00
		General Liability (1.2%)		\$1,066.00		\$12.79
		Subguard (1.4%)		\$1,066.00		\$0.00
		OH&P (5% subs, 10% self perform)		\$1,086.79		\$54.34
					Total:	\$1,141.13

☐ SCHEDULE IMPACT

☐ We have proceeded with this change to achieve schedule.

☒ As directed, we will not proceed with this change until formal direction from OWNER is received.

ARCHITECT

Consigli Construction Co., Inc.

CONTRACTOR
72 Sumner Street
Milford, MA 01757

OWNER

(Signature)

Arthur Duffy

(Signature)

John LaMarre

(Signature)

By

08/17/2023

By

8/17/23

By

Date

Date

Date

Consigli Construction Co., Inc.

Construction Managers and General Contractors

72 Sumner Street, Milford, MA 01757 • phone: 508-473-2580 • fax: 508-473-3588 • web: www.consigli.com

Albany NY • Boston MA • Caribbean • Hartford CT • Milford MA • New York NY • Pleasant Valley NY • Portland ME • Ronkonkoma NY • Washington DC • Westchester NY

K & K ACOUSTICAL CEILINGS, INC.

August 11, 2023

Consigli Construction Co., Inc.
72 Summer Street
Milford, MA 01757

Attn: Mason Saunders

Reference: Arlington High School – Curtain Tracks

We purpose to furnish and install as follows:

- Add 12” posts to lower curtain track at nurses waiting area

Material	\$ 969.00
10% o/p	<u>\$ 97.00</u>
Total	\$1,066.00



Sincerely,

Glenn Aubrey

Saunders, Mason

From: Stephanie MacNeil <smacneil@hmfh.com>
Sent: Thursday, August 3, 2023 11:52 AM
To: Saunders, Mason
Cc: Samya, Kevin
Subject: RE: Ceiling Height Room 108A

Caution: External Email.

One final follow up – the spec just states the bottom is to be “not more than 16” from the ground” so as long as we can organize all the pieces so that we have a couple inches clearance off the ground so we can ensure it won’t drag anywhere we’ll be ok.

Keep me posted on what Glenn finds on the supports, and we can look to see if that means adjusting the height of the PC-01 fixture in the room or not.

I believe the PC-01s are fine to be field adjusted on height – being that those are our typical CR fixtures that have different hanging lengths due to the sloped ceilings in the CRs - **Kevin correct me if I’m wrong on that?

D. Curtain:

1. Fabric: White, inherently flame-retardant, 100 percent polyester fabric.
2. Construction: Hemmed edges and grommets not over 10" o.c.
3. Dimensions: Curtain shall extend from not more than 16" above floor to at least 7'-4" above floor. "Cocomo"
- Submitted 4. Product: Cubicle Curtain Factory, Solid Fabric Curtain, or equal by approved manufacturer.

Stephanie MacNeil AIA LEED AP

Associate | Sustainability Leader | 617 844 2144

From: Stephanie MacNeil
Sent: Thursday, August 3, 2023 10:24 AM
To: Saunders, Mason <msaunders@consigli.com>
Cc: McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Weber, Chris <cweber@consigli.com>; Damon, Jack <jdamon@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; Arthur Duffy <aduffy@hmfh.com>; David Roach <DRoach@hmfh.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>; Jessica Pierce <jessica@unionfenceri.com>; Jim Burrows <jim.burrows@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>
Subject: RE: Ceiling Height Room 108A

Hi Mason –

The curtain track + light fixtures as currently ordered will prevent each other from operating, so we’ll need to figure out an alternate for one of the two.

Give a call back when you can so we can discuss further for the least impactful solution.

Thanks,

Stephanie MacNeil AIA LEED AP

Associate | Sustainability Leader | 617 844 2144

From: Saunders, Mason <msaunders@consigli.com>

Sent: Thursday, August 3, 2023 9:43 AM

To: Stephanie MacNeil <smacneil@hmfh.com>

Cc: McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Weber, Chris <cweber@consigli.com>; Damon, Jack <jdamon@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; Arthur Duffy <aduffy@hmfh.com>; David Roach <droach@hmfh.com>; Nguyen, Sy <Sy.Nguyen@skanska.com>; Jessica Pierce <jessica@unionfenceri.com>; Jim Burrows <jim.burrows@skanska.com>; Clifford, Victoria <Victoria.Clifford@skanska.com>

Subject: RE: Ceiling Height Room 108A

Stephanie,

Due to an HVAC design coordination conflict w/ the architectural RCP's it has caused the ceiling to be lowered to 8'-4" per your email below. However, the curtain track and material has already been ordered/released. I understand the concern to suspend the curtain so that the light can enter. However, the curtain has already been released and with the ceiling change will make the gap at the bottom of the curtain 13" versus 15" (K&K has also noted that this track gets mounted to the ceiling grid, and is not suspended per the manufacturer).

If a suspension bracket is used it will close the gap at the bottom of the curtain even further. Please confirm we can install the material as released.

Thanks,



Mason Saunders
Assistant Project Manager
72 Sumner Street
Milford, MA 01757

c. 774.737.3348

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From: Stephanie MacNeil <smacneil@hmfh.com>

Sent: Wednesday, August 2, 2023 4:49 PM

To: Saunders, Mason <msaunders@consigli.com>

Cc: McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Weber, Chris <cweber@consigli.com>; Damon, Jack <jdamon@consigli.com>; LaMarre, John <JLaMarre@consigli.com>; Arthur Duffy <aduffy@hmfh.com>; David Roach <droach@hmfh.com>

Subject: RE: Ceiling Height Room 108A

Caution: External Email.

CCC Team –

Ceiling Height in Room 108A – OK to be lowered from 8'-6" to 8'-4"

Light fixtures to remain at 7'-6" AFF

***this brought to light another conflict in the space, design intention had been that the cubicle curtain would be a suspended type – to allow the light fixture to “fly over” the path of the cubicle curtain. Reviewing the spec I see that this did not make its way back there – but hoping to work with K&K to find a work around at this point. With the profile already submitted – is it possible to purchase an additional piece to suspend the track such as this:



Note that shop drawings were requested in the 095100-018 submittal – would be good to still see some fashion of this to confirm layout / lengths of curtain, etc.



Cubicle Curtain Factory

2.5A, B, C & D

Provide layout
shop drawings for
review/approval

Include
care/maintenance/laundrying
instructions into O&M

Color Selection:
Cocomo White

Cocomo Specifications

WEAVE

DOBBY

Thank you,

Stephanie MacNeil AIA LEED AP

Associate | Sustainability Leader | 617 844 2144

From: Saunders, Mason <msaunders@consigli.com>

Sent: Wednesday, August 2, 2023 3:19 PM

To: Stephanie MacNeil <smacneil@hmfh.com>

Cc: McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Weber, Chris <cweber@consigli.com>; Damon, Jack <jdamon@consigli.com>; LaMarre, John <JLaMarre@consigli.com>

Subject: RE: Ceiling Height Room 108A

Stephanie,

The curtain/track was submitted under 095100-018 and is provided by K&K Ceilings.

Thanks,



Mason Saunders
Assistant Project Manager
72 Sumner Street
Milford, MA 01757

c. 774.737.3348

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From: LaMarre, John

Sent: Wednesday, August 2, 2023 3:06 PM

To: Saunders, Mason <msaunders@consigli.com>





Cc: McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Weber, Chris

<cweber@consigli.com>; Damon, Jack <jdamon@consigli.com>

Subject: RE: Ceiling Height Room 108A

I think we bought the cubicle track curtain with K&K



John LaMarre
Senior Project Manager
m: 617.293.5296
    consigli.com

From: Stephanie MacNeil <smacneil@hmfh.com>

Sent: Wednesday, August 2, 2023 2:20 PM

To: Damon, Jack <jdamon@consigli.com>

Cc: McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Weber, Chris <cweber@consigli.com>; LaMarre, John <JLaMarre@consigli.com>

Subject: RE: Ceiling Height Room 108A

Caution: External Email.

Hi Jack,

Before giving a green light to this – I do want to see how this would interact with the cubicle curtain track / light fixtures within the room. I'm not able to find a product cut sheet submittal on the cubicle curtain track for this room at the moment, could you check with folks on your team to dig up the submittal number on that?

Thanks,

Stephanie MacNeil AIA LEED AP

Associate | Sustainability Leader | 617 844 2144

From: Damon, Jack <jdamon@consigli.com>

Sent: Wednesday, August 2, 2023 8:57 AM

To: Stephanie MacNeil <smacneil@hmfh.com>

Cc: McWilliams, Chuck <cmcwilliams@consigli.com>; DeRosa, Thomas <tderosa@consigli.com>; Weber, Chris <cweber@consigli.com>; LaMarre, John <JLaMarre@consigli.com>

Subject: Ceiling Height Room 108A

Hi Stephanie,

I just spoke with Marc Ricci from K&K Acoustical and Paul Scaltrito from PJ Kennedy about a dilemma with Room 108A on first floor B Buildings ceiling height. The plans call for 8'6", but Paul's OH piping sits at 8'6 1/2", which doesn't leave enough room for the ACT grid. The proposed resolution with the two of them is lowering the ceiling height to 8'4", which would prevent Paul from having to crank up his pipes while still giving enough room for Marc. Let me know if this works on your end.

Thanks

8:42

FIRST RCP - Part Plan B**2** $1/8" = 1'-0"$ **OFFICE****107****D2**

2 1/2"

9' - 2 1/2"

7' - 6"

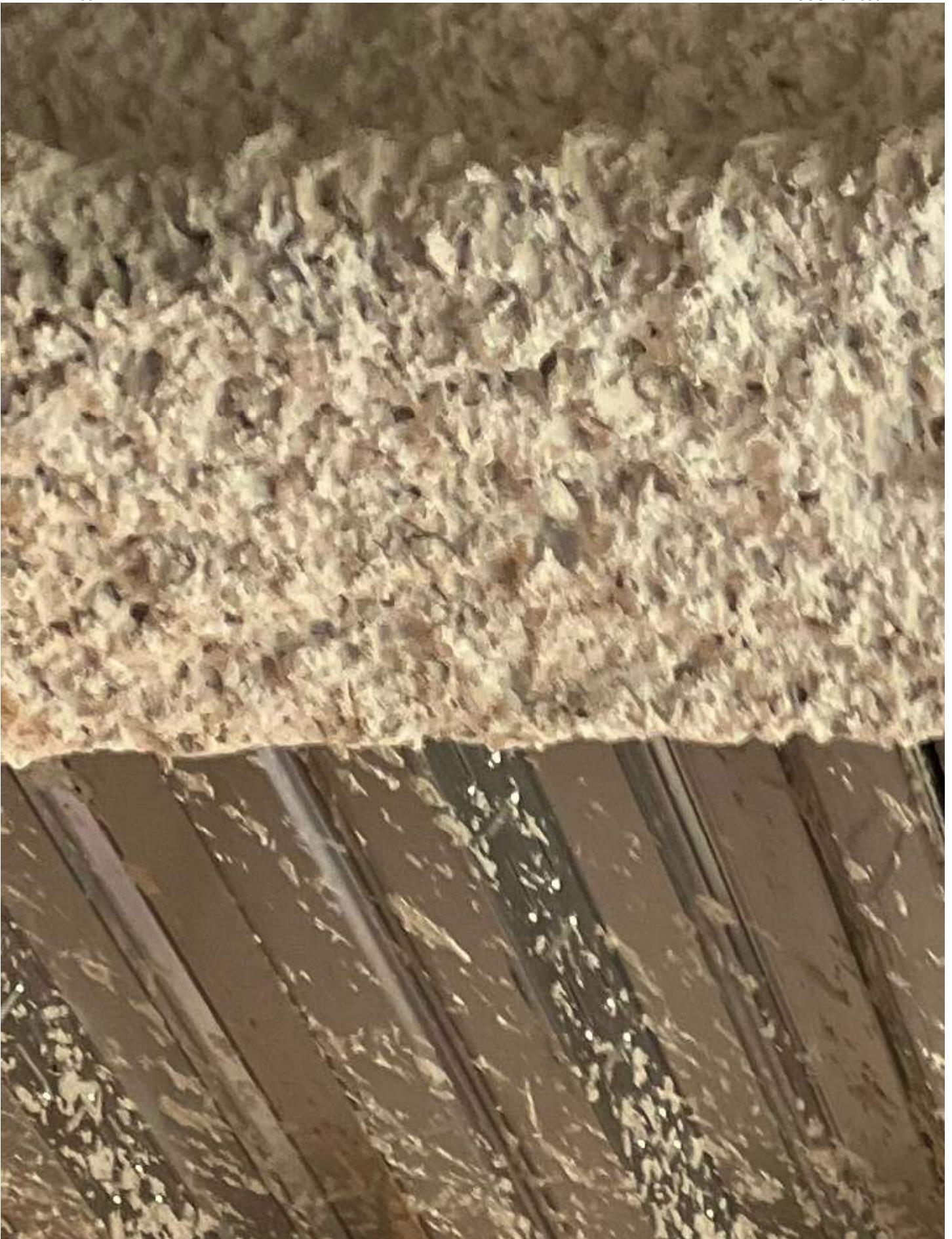
20
A 3.620
A 3

- 4"





7' - 6"

TYP.







Jack Damon
Assistant Superintendent
m: 774.527.9548
    consigli.com



Submittal #095100-018.0

CCC - CR060

095100 - Acoustical Panel Ceilings

PD_Acoustical Sealant & Cubical Curtain and Track_2.4, 2.5A-D

APPROVERS:	Haley Donovan (Consigli Construction Co., Inc.) Arthur Duffy (HMFH Architects)	CREATED BY:	
RESPONSIBLE CONTRACTOR:	K&K Acoustical Ceilings, Inc. Glenn Aubrey (K&K Acoustical Ceilings, Inc.)	STATUS:	Pending
TYPE:	Construction	SPEC SECTION:	095100 - Acoustical Panel Ceilings
COPIES TO: Chris Weber (Consigli Construction Co., Inc.) , David Rockwood (Consigli Construction Co., Inc.) , Hal Raymond (Skanska USA Inc.) , Cam Patch (Consigli Construction Co., Inc.) , Sy Nguyen (Skanska USA Inc.) , Chuck McWilliams (Consigli Construction Co., Inc.) , Scott Martino (Consigli Construction Co., Inc.) , Vianely Franco (HMFH Architects) , Jim Fikiet (Skanska USA Inc.) , Arthur Duffy (HMFH Architects) , Haley Donovan (Consigli Construction Co., Inc.) , David Dockendorf (Consigli Construction Co., Inc.) , JP Connors (Consigli Construction Co., Inc.) , Victoria Clifford (Skanska USA Inc.)			
DESCRIPTION:			
ATTACHMENTS: 095100_018 - PD_Acoustical Sealant & Cubical Curtain and Track_2.4, 2.5A-D.pdf			

ARCHITECT'S STAMP

HMFH ARCHITECTS, INC. 130 BISHOP ALLEN DRIVE, CAMBRIDGE MA 02139	
ACTION SUBMITTAL	
<input type="checkbox"/> REVIEWED as required by the construction contract documents and APPROVED, but only for conformance to the design concept of the work, and subject to further limitations and requirements contained in the construction contract documents.	
<input type="checkbox"/> REJECTED	
<input type="checkbox"/> REVISE AND RESUBMIT	
<input checked="" type="checkbox"/> FURNISH AS CORRECTED	
Corrections or comments made on the submittal during this review do not relieve contractor from compliance with the requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of and general compliance with the information given in the contract documents. The Contractor is responsible for: conforming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; performing his work in a safe and satisfactory manner.	
NAME: <i>AD</i>	DATE: 03/20/2021

Approved as Noted.
Submit additional items
indicated

CONTRACTOR'S STAMP

Consigli Construction Co., Inc.	
<input checked="" type="checkbox"/> Approved for A/E Review	<input type="checkbox"/> Revise & Resubmit
<input type="checkbox"/> Approved as Noted for A/E Review	<input type="checkbox"/> Rejected
Spec. Section: 095100	Submittal No.: 095100-018
Date:	By: Haley Donovan
If so marked, approval is given for design only. It does not relieve the subcontractor from complying with the requirements of the contract, contract drawings and specifications. The subcontractor shall be responsible for all dimensions, quantities, schedules and field conditions.	

SUBMITTAL WORKFLOW

#	NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	COMMENTS
1	Haley Donovan	Approver		4/8/2021		Pending		
2	Arthur Duffy	Approver		4/28/2021		Pending		

BY

DATE

COPIES TO

March 5, 2021

Consigli Construction Co., Inc.
266 Summer Street
Boston, MA 02210

Attn: Haley Donovan

Re: Arlington High School

We are sending you the following:

☐ Prints ☐ Plans ☐ Shop Drawings *** ☐ Literature ☐ Samples

Submittals:

- 2.2A, B, C Attachment Device & Wire Hangers: Hilti Wire
- 2.3A: Shadow molding is not required. Tiles have no reveal edges
- 2.3B Perimeter Trim: USG 4" & 6" Compasso
- 2.4: USG Acoustical Sealant
- 2.5A, B, C, D: Cubical Curtain & Track
- C/1A – C/1H: USG DX Grid

* ☐ For your approval ☐ Approved as submitted ☐ Resubmit ☐ Copies for approval

☐ As per your request ☐ Corrections noted ☐ Return ☐ Corrected prints

☐ For your comment _____

Remarks:

Please call with any questions.

Sincerely,

Kevin Kontos Jr.

CCC SUBMITTAL
#095100_018

Acceptable only at concealed conditions.

If any conditions occur where sealant may be exposed, submit a paintable sealant (such as at edge angles installed against irregular where the edge angle is not able to be tight against the wall surface).

USG SHEETROCK® BRAND ACOUSTICAL SEALANT



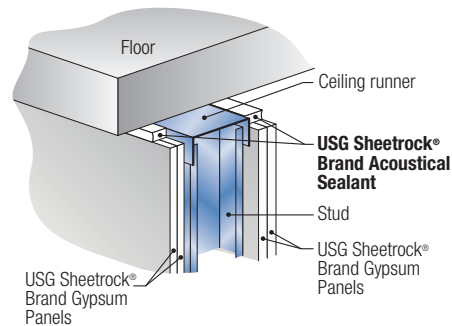
DESCRIPTION

Makes promised ratings a reality

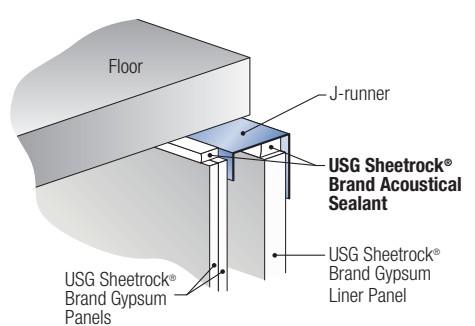
- Excellent sound-flanking material (supports high STC ratings)
- Superior performance as a fire caulk in UL Classified joint and through-penetration firestop systems
- Ideal for use in smoke and/or sound assemblies
- Meets ASTM C834 specifications for latex sealants
- Grade 0°F (-18°C) low temperature flexibility, strong bond
- Low VOC

USG Sheetrock® Brand Acoustical Sealant is an acrylic, latex-based sound caulk for use as a sealant in fire-rated partitions, smoke barriers and sound-rated assemblies.

HW-D-0262 - Conventional Wall



HW-D-0603 - Shaft Wall



UL SYSTEMS

JOINT SYSTEMS

Conventional Wall: BW-S-0013, BW-S-0016, BW-S-0022, BW-S-0026, HW-D-0001, HW-D-0002, HW-D-0262, HW-D-0372, HW-D-0504, HW-D-0506, HW-D-0515, HW-D-0513, HW-D-0518, HW-D-0525, HW-D-0577, HW-D-0584, HW-D-0603, HW-D-0609, HW-D-0610, HW-D-0611, HW-D-0613, HW-D-0626, HW-D-0627, HW-D-0628, HW-D-1110, HW-S-0009, HW-S-0010, HW-S-0032, HW-S-0035, HW-S-0089, HW-S-0094, HW-S-0096, HW-S-0097, HW-S-0098, HW-S-0099, HW-S-0100, HW-S-0101, WW-S-0058, WW-S-0062

Shaft Wall: HW-D-0603, HW-D-0609, HW-D-0610, HW-D-0611, HW-D-0612, HW-D-0613, BW-S-0016

THROUGH-PENETRATION FIRESTOP SYSTEMS

C-AJ-1020, W-L-1064 and W-L-1087

ADVANTAGES

Versatile: Easily applied on vertical and horizontal surfaces without sagging, even overhead.

Sound Tested: As an integral component to maintain high STC/MTC ratings in partitions.

Surface-Burning Characteristics: Classified by UL with flame spread of 0 and smoke developed of 0.

For Use in Fire-Resistant, Sound and Smoke Partitions: Acceptable for use at the perimeter of most wood- and steel-stud wall assemblies.

Remains Flexible: Dries tough but stays resilient to "give" with movement.

High Adhesion: Bonds tenaciously to a variety of surfaces.

Attractive Appearance: Product is nonstaining.

Easy to Dispense: Good working properties ensure fast, efficient application with hand-gun equipment.

Excellent Physical Properties: Won't sag on vertical surfaces; good open time; long shelf life.

Easy Cleanup: Latex-based for cleanup with soap and water before drying.

UL Classified As: A material for use as a fill, void or cavity in fire-resistant joint and through-penetration firestop systems.

LIMITATIONS

- 1. Not to be applied to moist areas where frost or condensation is present or in direct contact with water.
- 2. Protect container from freezing and extreme heat.
- 3. Maintain 55°F (13°C) minimum temperature within the building during and after installation.
- 4. Product should be stored at a temperature neither below 41°F (5°C) nor exceeding 80°F (26.7°C).
- 5. Not to be used in applications where the surrounding materials (partitions, floors, penetrations, etc.) will exceed sustained temperatures of 125°F (52°C).
- 6. Not for use with CPVC or PVC products.
- 7. For through wall penetration designs where piping is installed either concentrically or eccentrically within a cylindrical sleeve application, the design professional shall specify, at least, 1) A “vented” sleeve that allows egress of moisture from the sleeve module; 2) A spacer, packing material, or backer rod that is compatible, non-reactive, and/or non-conductive between the cylindrical outer sleeve and pipe material. The spacer, packing material, or backer rod shall also serve the function of preventing the pipe material from contacting the outer sleeve material.
- 8. Consult with manufacturer of adjoining materials for compatibility.
- 9. Not intended to be painted. Sealant will shrink during curing process.
- 10. Do not apply USG Sheetrock® Brand Acoustical Sealant in areas where abuse or abrasion of a sealant is likely.
- 11. There may be discoloration of sealant when in contact with certain types of metal such as copper.

DIRECTIONS

PREPARATION

Before handling, read Safety Data Sheet and product label for safe usage and health information. Installation of USG Sheetrock® Brand Acoustical Sealant should not begin until building is enclosed and building temperatures are maintained at 55°F (13°C) minimum. Provide adequate ventilation to carry off excess moisture to insure adequate drying. The performance and adhesion of sealants will be only as good as the surface of which it is applied. Surfaces of the opening and any penetration items to be caulked must be sound, clean, dry and free of dust, debris and moisture to insure proper adhesion.

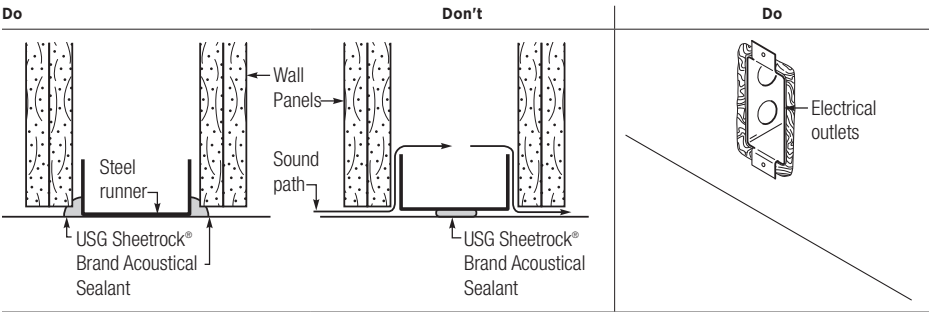
APPLICATION

USG Sheetrock® Brand Acoustical Sealant shall be applied in accordance with ASTM C919 using conventional caulking equipment. In joint and firestop systems, apply the USG Sheetrock® Brand Acoustical Sealant to minimum thickness specified in the individual fire-rated system.

In shaftwall applications, the maximum separation between bottom of floor and top of liner panel is 1" (25mm). Maximum separation between bottom of floor and top of gypsum board sheets at time of installation of joint system is 5/8" (16mm). The joint system is designed to accommodate a maximum 25% compression or extension from its installed width on the finished side of the wall.

For all other joints, the sealant application should be specified by a design professional who should give consideration to using a backer rod or bond tape where the gap exceeds 5/8". For through-wall penetration designs where piping is installed either concentrically or eccentrically within a cylindrical sleeve application, the design professional shall specify a spacer, packing material, or backer rod that is compatible / non-reactive with both cylindrical outer sleeve and pipe material. The space, packing material, and backer rod shall also serve the function of preventing pipe from contact with the outer sleeve. In joints too shallow to take a backer rod, use a bond breaker tape to prevent three-sided adhesion.

In acoustical applications, apply 1/4" (6mm) minimum bead of sealant to seal perimeter of partition. Apply continuous bead of USG Sheetrock® Brand Acoustical Sealant around all openings and partition intersections. In penetration applications that are not covered in an individual fire-rated system, the thickness of the sealant applied within the opening should be no less than 1/4" and no greater than 5/8" flush with the top surface of the floor or sides of the wall.



PRODUCT DATA

Testing and Classification: Meets ASTM C834 Standard Specification for Latex-Based Sealing Compounds tested in accordance with ASTM C731, ASTM C732, ASTM C734, ASTM C736, ASTM D2202, ASTM D2203 and ASTM D2377. Also tested in accordance with ASTM E84 (surface-burning characteristics), ASTM E90 (sound tests) and ASTM E1966 (fire-resistant joint systems). ASTM E814 (through-penetration firestop systems).

Surface-Burning Characteristics: 0/0 (flame spread/smoke developed)

Color: Off-white

Solids: 73% ± 3%

Weight: 13.4 lbs./gal. (1.6Kg/L in container)

pH: 8.5–9.5

VOC: 15 g/L

Shelf Life: One year (in original, unopened container) under good storage practices.

Note: See #4 under Limitations.

Coverage (approximate): 85 linear ft. of 1/4" bead/29 oz. ctg.; 37 linear ft. of 3/8" bead/29 oz. ctg.; 22 linear ft. of 1/2" bead/29 oz. ctg.; 11 linear ft. of 5/8" bead/29 oz. ctg.; 392 ft. of 1/4" bead/gal.; 174 ft. of 3/8" bead/gal.; 98 ft. of 1/2" bead/gal.

Packaging: 29 oz. (850 ml) cartridge; 5 gal. (18.9 L) pail.

GOOD DESIGN PRACTICES

1. INSPECTIONS

Periodic inspection of all sealant applications including fire-rated barriers is recommended to make sure that any new openings, modifications of previously installed seals, or areas exhibiting physical damage have been properly sealed or repaired.

2. SOUND TESTS

Sound tests are conducted under laboratory conditions per ASTM procedures. Comparable field performance depends upon careful attention to details and workmanship. USG Sheetrock® Brand Acoustical Sealant should be used to seal all assemblies used for sound control and all assembly cutouts, such as those for electrical boxes. Back-to-back penetrations of the diaphragm, flanking paths, door and borrowed-light openings should be avoided.

3. METAL DOOR AND BORROWED-LIGHT FRAMES

Apply a continuous bead of USG Sheetrock® Brand Acoustical Sealant inside door frame throat just before inserting facing panel into frame. Do not terminate gypsum panel against trim return.

4. ADDITIONAL INFORMATION

See publications in USG Architectural Reference Library; (SA100), *Construction Selector*; (SA927), *Gypsum Panels and Accessories* (for information on system components); (SA727), *USG Fire Stop Systems*; (SA926), *USG Shaft Wall Systems Catalog*; and usgdesignstudio.com/sealant-fire-tests.asp.

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

CAUTION

Spray or dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a well-ventilated area, or wear a NIOSH/MSHA-approved respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed and/or irritation persists, call physician. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com

KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTICE

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheets and related literature on products before specification and/or installation.



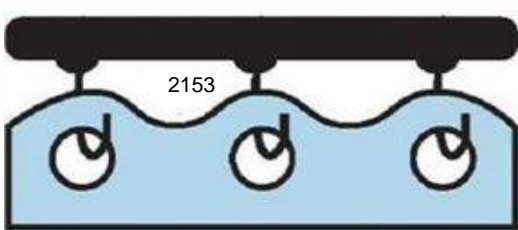
CCC SUBMITTAL
#095100_018

800 USG.4YOU
800 (874-4968)
usg.com

Manufactured by
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

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Cubicle Curtain Factory

Provide layout
shop drawings for
review/approval
CCC - CR660

Include
care/maintenance/laundrying
instructions into O&M

2.5A, B, C & D

Color Selection:
Cocomo White

Cocomo Specifications

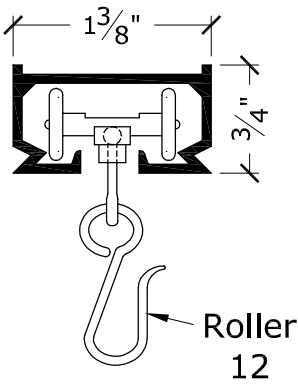
WEAVE	DOBBY
WIDTH	72.5" +/- .5"
WEIGHT (OZ./SQ.YD)	5.75 +/- .25
OZ. PER LINEAR YARD	11.25 +/- .25
FINISHED ENDS	102 +/- 3
FINISHED PICKS	88 +/- 3
FIBER BLEND	WARP: 100% POLYESTER FILLING: 100% POLYESTER
FLAME RETARDANT	PASSES NFPA 701 SMALL SCALE TEST
ANTIMICROBIAL	
TENSILE (GRAB)	125 X 75 MIN
SEAM SLIPPAGE	25 X 25 MIN

CCC SUBMITTAL
#095100_018

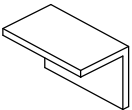
Surface Mounted Cubicle Curtain Track

MATERIAL	#6063 Extruded Aluminum
FINISH	Satin Anodized or White Powder Coat
BENDS	All bends shall be 12" radius and up to 90 degrees
CARRIERS	ROLLER 12 - Nylon axle, two nylon wheels, tangle free nylon swivel, and nickel plated steel hook.

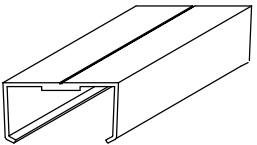
1200CT



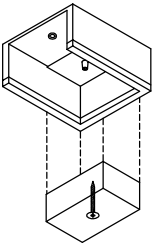
1207 End Cap (EC)



1208 Connector (C)



1210 End Gate (EG)



ARCHITECT		DATE	
CONTRACTOR		DATE REV	
DISTRIBUTOR		DRAWN BY	
PROJECT		JOB #	
		SHEET	CCC SUBMITTAL #095100_018

**GENERAL CONTRACTOR PROGRESS PAYMENT
CERTIFICATION AND WAIVER (Conditional)**

PROJECT: Arlington High School
CONTRACTOR: Consigli Construction Co., Inc.

OWNER: Town of Arlington, 730 Massachusetts Ave, Arlington, MA 02476

Conditioned upon receipt of payment to be made on its progress Application for Payment No. 41 in the amount of \$ 5,599,400.04 for services, labor, material and equipment provided to the above-referenced Project by Contractor through 08/31/23 (the "Payment Period"), Contractor hereby:

1. **CERTIFIES** to Owner and any lender of Owner that, upon receipt of payment of the amount stated in the prior paragraph, Contractor will be paid in full for all services, labor, materials, equipment, and other items furnished in connection with improvements to real property on the Project for base contract work and approved Change Orders through and including the last day of the Payment Period, except for retainage and not including pending changes or claims, all in accordance with the written contract between the parties for construction of the Project.

2. **WAIVES**, relinquishes and dissolves all rights to any lien (including, without limitation, liens under the mechanic's lien law of any state wherein the Project may lie) upon the property, real estate, buildings, or improvement for to the extent of sums billed and paid to Contractor through the last day of the Payment Period.

3. **AGREES TO INDEMNIFY**, defend, and save harmless the Owner and any lender of Owner from all liens, claims and demands, and all expenses incurred, including attorneys' fees and costs of defense, on account of claims brought by anyone claiming by, through or under Contractor, for payment of any services or labor performed or material or equipment furnished in connection with improvements to real property for the Project to the extent of sums billed and paid to Contractor through the last day of the Payment Period.

4. **REPRESENTS AND WARRANTS** to the Owner and any lender of Owner that all laborers, subcontractors, materialmen and others providing services, labor, material, and/or equipment and all taxes and contributions of any other descriptive title in connection with the work furnished for and through Contractor have been paid in full through the last day of the Payment Period.

5. **REPRESENTS AND WARRANTS** that no other person or entity has any prior interest in the claims, demands, allegations or causes of action arising on its behalf on account of the work; that Contractor has the sole right and authority to execute this progress certification and waiver and received the sums specified herein; and that Contractor has not sold, assigned, transferred, conveyed, or otherwise disposed of the claims, demands or rights released hereby.

Executed as a sealed instrument this 12th day of September, 2023.

By Julie Kuchenbrod
(Authorized Officer)

Printed Name: Julie Kuchenbrod

State of: Massachusetts

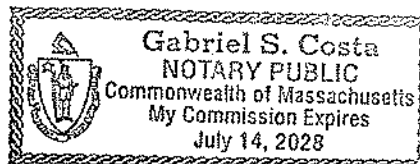
9/12/23

(Date)

Then personally appeared before me the above-named Julie Kuchenbrod, who being duly sworn did say that he/she is the Director of Project Accounting of Consigli Construction Co. that the foregoing instrument was signed on behalf of said corporation by authority of its Board of Directors, and that said instrument was acknowledged to be the free act and deed of said corporation.

Gabriel S. Costa
Notary Public

My commission expires: 07/14/2028



APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF ____ PAGES

TO OWNER: Town of Arlington
730 Massachusetts Ave
Arlington, MA 02476

PROJECT: Arlington High School

Invoice 41
Draw

Application date: 9/12/2023
Period ending date: 8/31/2023

DISTRIBUTE TO:

- ☐ OWNER
☐ ARCHITECT
☐ CONTRACTOR
☐
☐

FROM CONTRACTOR: Consigli Construction Co., Inc.
72 Sumner Street
Milford, MA 01757

VIA ARCHITECT: HMFH Architects, Inc
130 Bishop Allen Drive
Cambridge, MA 02139

PROJECT NO: 2153

CONTRACT DATE: 6/26/2019

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown above, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$234,287,347.00
2. NET CHANGE BY CHANGE ORDERS	\$2,209,600.36
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$236,496,947.36
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$176,593,854.36
5. RETAINAGE:	
a. 2.73 % of Completed Work (Column D + E on G703)	\$ 4,811,273.21
b. 2.73 % of Stored Material (Column F on G703)	\$ 6,849.00
Total Retainage (Lines 5a+5b or Total in Column I on G703)	\$4,818,122.21
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$171,775,732.15
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 From Prior CERTIFICATE)	\$166,176,332.11
8. CURRENT PAYMENT DUE (Line 6 Less Line 7)	\$5,599,400.04
9. BALANCE TO FINISH INCLUDING RETAINAGE (Line 3 Less Line 6)	\$64,721,215.21

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	2,209,600.36	
Total approved this Month		
TOTALS	2,209,600.36	
NET CHANGES by Change Order	2,209,600.36	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: Consigli Construction Co., Inc.

By: [Signature] Date: 9/12/23

State of: MA

County of: Worcester

On this the 12th day of September 2023 before me,

proved to me through satisfactory evidence of identity, which was/were

personal knowledge

to be the person(s) whose name(s) was/were signed on the preceding or attached document in my presence, and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public: [Signature]My Commission expires: 7/14/2028

Gabriel S. Costa
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires
July 14, 2028

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED:\$ 5,599,400.04

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

Arlington High School
REQ #41 Retainage Tracking Log

Subcontractor	Contract Value	Previously Billed	Billed to Date	Current Billing	Previous Retainage Held	Current Retainage Held	Total Retainage	Retainage %	Retainage Released
							-		-
0502-0010 - Contractor's Fee	4,768,223.00	3,054,080.00	3,130,432.00	76,352.00	152,704.00	3,817.60	156,521.60	5.0%	-
0502-0020 - Insurances	6,222,070.00	6,219,070.00	6,219,070.00	-	310,953.50	-	310,953.50	5.0%	-
0502-0030 - Contingency	3,337,112.99	216,603.52	216,603.52	-	-	-	-	0.0%	-
0502-0100 - General Conditions	12,331,225.00	8,613,760.00	8,829,106.00	215,346.00	414,338.00	10,767.30	425,105.30	5.0%	-
0502-0100 - General Requirements	12,004,324.26	9,989,157.97	10,290,548.97	301,391.00	433,736.99	15,069.55	436,836.25	4.3%	11,970.29
0502-0200 - Existing Conditions (Costello)	5,880,990.97	3,649,864.05	3,649,864.05	-	88,813.82	-	88,813.82	2.5%	-
0502-0200 - Existing Conditions (Holds & Allowances)	92,126.61	-	-	-	-	-	-	-	-
0502-0200 - Existing Conditions	845,000.00	40,272.45	40,272.45	-	2,013.62	-	2,013.62	5.0%	-
0502-0300 - Concrete EBPH4 (Riggs)	3,879,581.49	3,862,927.49	3,862,927.49	-	-	-	-	0.0%	-
0502-0300 - Concrete EBPH3 (Riggs)	10,389.29	10,389.29	10,389.29	-	-	-	-	0.0%	-
0502-0300 - Concrete Phase 2-4	11,606,571.90	7,413,139.84	7,413,139.84	-	370,656.99	-	370,656.99	5.0%	-
0502-0300 - Concrete Polished Concrete	178,920.00	95,708.00	95,708.00	-	-	-	-	0.0%	-
0502-0300 - Concrete (Holds)	0.31	-	-	-	-	-	-	-	-
0502-0300 - Concrete (Allowances)	(0.15)	-	-	-	-	-	-	5.0%	-
0502-0400 - Masonry (Empire)	6,708,803.00	3,356,328.00	3,984,168.00	627,840.00	55,235.00	31,392.00	86,627.00	0.0%	-
0502-0500 - Metals (Trimax)	7,154,707.63	7,154,707.63	7,154,707.63	-	-	-	-	0.0%	-
0502-0500 - Metals (Holds)	242,028.01	-	-	-	-	-	-	-	-
0502-0500 - Metals Structural Steel Ph. 2 & 3	11,047,709.42	8,161,946.97	8,163,035.97	1,089.00	204,191.87	54.45	204,246.32	2.5%	-
0502-0500 - Metals Misc Metals (Avid Ironworks)	1,632,303.51	1,201,882.75	1,338,872.00	136,989.25	36,496.61	6,849.46	43,346.07	0.4%	-
0502-0500 - Metals (Allowances)	228,859.64	-	-	-	-	-	-	-	-
0502-0600 - Wood/Plastic/Composites (Padco)	7,354.00	7,354.00	7,354.00	-	-	-	-	0.0%	-
0502-0600 - Wood/Plastic/Composites (Riggs)	3,858,691.20	2,514,245.00	2,846,350.00	332,105.00	11,117.25	16,605.25	27,722.50	0.0%	-
0502-0600 - Wood/Plastic/Composites (Falvey)	5,970.00	5,970.00	5,970.00	-	298.50	-	298.50	5.0%	-
0502-0600 - Wood/Plastic/Composites (Allowances)	12,961.12	-	-	-	-	-	-	-	-
0502-0600 - Wood/Plastic/Composites (Holds)	10,183.45	-	-	-	-	-	-	-	-
0502-0700 - Thermal & Moisture Waterproofing (PJ Spillane)	1,608,574.06	1,168,496.03	1,181,246.03	12,750.00	29,324.80	637.50	29,962.30	0.8%	-
0502-0700 - Thermal & Moisture (Budget Maintenance)	670,000.00	454,229.54	454,229.54	-	8,761.54	-	8,761.54	0.0%	-
0502-0700 - Thermal & Moisture Engineered Barrier	118,650.00	-	-	-	-	-	-	-	-
0502-0700 - Thermal & Moisture Ext Wall Panels	1,441,919.37	1,263,200.42	1,362,321.29	99,120.87	22,003.66	4,956.04	26,959.70	0.1%	-
0502-0700 - Thermal & Moisture Roofing (Greenwood)	3,501,321.63	2,591,302.72	2,591,302.72	-	43,728.39	-	43,728.39	1.1%	-
0502-0700 - Thermal & Moisture Protection (Titan)	27,036.00	27,036.00	27,036.00	-	-	-	-	0.0%	-
0502-0700 - Thermal & Moisture Fireproofing (Island)	1,334,824.40	1,070,039.44	1,182,642.54	112,603.10	26,658.75	5,630.16	32,288.91	0.0%	-
0502-0700 - Thermal & Moisture (Holds)	143,637.99	15,000.00	15,000.00	-	750.00	-	750.00	1.0%	-
0502-0700 - Thermal & Moisture (Allowances)	54,978.09	-	-	-	-	-	-	-	-
0502-0800 - Doors & Windows (Horner)	22,900.00	22,900.00	22,900.00	-	-	-	-	0.0%	-
0502-0800 - Doors & Windows (Eaton)	1,272,073.05	1,240,228.31	1,249,331.40	9,103.09	4,799.93	455.15	5,255.08	0.0%	-
0502-0800 - Doors & Windows (Riggs)	10,860.00	10,860.00	10,860.00	-	-	-	-	0.0%	-
0502-0800 - Doors & Windows Install	482,295.78	202,500.00	344,500.00	142,000.00	-	7,100.00	7,100.00	0.0%	-
0502-0800 - Doors & Windows Access Doors	26,875.00	-	-	-	-	-	-	-	-
0502-0800 - Doors & Windows Overhead Doors (Baron)	143,250.00	112,200.00	112,200.00	-	-	-	-	0.0%	-
0502-0800 - Doors & Windows (R&R)	5,680,403.78	5,012,985.06	5,175,565.81	162,580.75	103,976.18	8,129.04	112,105.22	0.3%	-
0502-0800 - Doors & Windows Glass & Glazing (A&A)	27,450.00	27,450.00	27,450.00	-	877.50	-	877.50	3.2%	-
0502-0800 - Doors & Windows (Kapiloff's)	717,782.97	619,515.43	625,282.93	5,767.50	13,331.91	288.38	13,620.29	0.0%	-
0502-0800 - Doors & Windows Folding Door	100,880.00	92,955.00	92,955.00	-	4,647.75	-	4,647.75	5.0%	-
0502-0800 - Doors & Windows (Holds)	52,416.27	-	-	-	-	-	-	-	-
0502-0900 - Finishes Temp Construction	300,494.68	-	-	-	-	-	-	-	-
0502-0900 - Finishes Trade Support	152,521.06	-	-	-	-	-	-	-	-
0502-0900 - Finishes Pedestrian Protection	-	-	-	-	-	-	-	-	-
0502-0900 - Finishes Temp Bridge Structure Ph.1 (Rubb)	136,000.00	93,789.00	93,789.00	-	-	-	-	0.0%	-
0502-0900 - Finishes (TJM)	78,338.23	78,338.23	78,338.23	-	-	-	-	0.0%	-
0502-0900 - Finishes Drywall & Carpentry (Colony)	16,713,864.65	14,561,489.51	15,151,469.96	589,980.45	387,974.46	29,499.02	417,473.48	0.0%	-
0502-0900 - Finishes Tile	2,065,419.03	1,390,627.88	1,712,336.00	321,708.12	12,857.32	16,085.41	28,942.73	0.0%	-
0502-0900 - Finishes Terrazzo Flooring	663,483.55	427,167.80	631,707.15	204,539.35	14,300.39	10,226.97	24,527.36	0.0%	-
0502-0900 - Finishes (ACT)	2,700.00	-	-	-	-	-	-	-	-
0502-0900 - Finishes (K&K)	2,364,223.13	1,394,590.00	1,624,515.00	229,925.00	30,579.50	11,496.25	42,075.75	0.0%	-
0502-0900 - Finishes Resinous Flooring	60,290.00	-	51,802.50	51,802.50	-	2,590.13	2,590.13	5.0%	-
0502-0900 - Finishes Athletic Flooring	120,640.00	-	-	-	-	-	-	-	-
0502-0900 - Finishes Wood Flooring	405,430.00	91,580.00	91,580.00	-	-	-	-	0.0%	-
0502-0900 - Finishes (Resilient Flooring)	46,949.59	46,949.59	46,949.59	-	-	-	-	0.0%	-
0502-0900 - Finishes Resilient Flooring (Capital)	2,216,874.69	1,763,812.93	1,906,106.58	142,293.65	14,367.90	7,114.68	21,482.58	0.8%	-
0502-0900 - Finishes Carpet	346,974.29	259,773.47	267,955.47	8,182.00	620.42	409.10	1,029.52	0.0%	-
0502-0900 - Finishes Acoustical Insulation	441,810.68	310,266.67	310,266.67	-	7,225.83	-	7,225.83	0.0%	-
0502-0900 - Finishes Acoustical Wall Panels	240,800.00	73,400.00	73,400.00	-	-	-	-	0.0%	-
0502-0900 - Finishes (Color Concepts)	40,241.17	40,241.17	40,241.17	-	-	-	-	0.0%	-
0502-0900 - Finishes Painting (New Generation)	967,446.39	506,359.19	567,109.19	60,750.00	5,668.74	3,037.50	8,706.24	0.0%	-
0502-0900 - Finishes (Holds)	232,094.60	-	-	-	-	-	-	-	-
0502-0900 - Finishes (Allowances)	540,715.20	-	-	-	-	-	-	-	-
0502-1000 - Specialties	656,381.00	534,272.00	554,272.00	20,000.00	3,089.80	1,000.00	4,089.80	0.0%	-
0502-1000 - Specialties Visual Display Boards (NEIS)	290,185.00	82,518.53	226,134.11	143,615.58	3,500.00	7,180.78	10,680.78	4.2%	-
0502-1000 - Specialties (TP, TA, FEC, PS)	445,438.11	305,606.03	335,675.84	30,069.81	-	1,503.49	1,503.49	0.0%	-
0502-1000 - Specialties Signage	2,600.00	2,600.00	2,600.00	-	-	-	-	0.0%	-
0502-1000 - Specialties Signage	394,217.00	136,160.10	183,324.81	47,164.71	4,605.43	2,358.24	6,963.67	3.0%	-
0502-1000 - Specialties Operable Partitions (Corbin-Hufcor)	61,000.00	61,000.00	61,000.00	-	1,000.00	-	1,000.00	0.0%	-
0502-1000 - Specialties Photoluminescent Safety	4,653.00	4,653.00	4,653.00	-	232.65	-	232.65	5.0%	-
0502-1000 - Specialties (Automation)	31,586.00	29,308.00	29,308.00	-	87.85	-	87.85	0.3%	-
0502-1000 - Specialties (Holds)	33,040.24	-	-	-	-	-	-	-	-
0502-1000 - Specialties (Allowances)	-	-	-	-	-	-	-	-	-
0502-1100 - Equipment Theater Equip	475,500.00	452,000.00	452,000.00	-	2,250.00	-	2,250.00	0.5%	-
0502-1100 - Equipment Auditorium Fall Protection	15,927.00	15,927.00	15,927.00	-	-	-	-	0.0%	-
0502-1100 - Equipment Food Service	607,107.00	507,704.00	569,187.50	61,483.50	11,392.70	3,074.18	14,466.88	2.0%	-
0502-1100 - Equipment Appliances	226,358.95	167,668.61	169,823.61	2,155.00	-	107.75	107.75	0.0%	-
0502-1100 - Equipment Gym (Robert H Lord)	686,078.00	106,135.00	106,135.00	-	5,306.75	-	5,306.75	5.0%	-
0502-1100 - Equipment Window Washing Equip. (Peak)	81,750.00	81,750.00	81,750.00	-	2,122.50	-	2,122.50	0.0%	-
0502-1100 - Equipment (Holds)	67,241.24	-	-	-	-	-	-	-	-
0502-1100 - Equipment Clock	13,350.00	4,175.00	4,175.00	-	208.75	-	208.75	5.0%	-
0502-1100 - Equipment (Allowances)	60,504.00	-	-	-	-	-	-	-	-
0502-1200 - Furnishings Lab Casework	1,977,891.00	1,868,759.94	1,868,759.94	-	27,364.17	-	27,364.17	0.3%	-
0502-1200 - Furnishings Window Treatments	188,115.59	97,925.59	97,925.59	-	840.50	-	840.50	0.0%	-
0502-1200 - Furnishings Auditorium Seating	306,181.96	306,181.96	306,181.96	-	-	-	-	0.0%	-
0502-1200 - Furnishings (Holds)	13,232.74	-	-	-	-	-	-	-	-
0502-1400 - Elevators (Delta)	703,018.00	581,518.00	612,218.00	30,700.00	19,065.90	1,535.00	20,600.90	0.0%	-
0502-2100 - Fire Protection (Rustic)	125,000.00	125,000.00	125,000.00	-	-	-	-	0.0%	-
0502-2100 - Fire Protection (Delta)	2,603,795.95	2,213,873.82	2,250,430.32	36,556.50	46,445.65	1,827.83	48,273.48	0.0%	-
0502-2100 - Fire Protection (Allowances)	20,268.73	-	-	-	-	-	-	-	-

Subcontractor	Contract Value	Previously Billed	Billed to Date	Current Billing	Previous Retainage Held	Current Retainage Held	Total Retainage	Retainage %	Retainage Released
0502-2200 - Plumbing (PJ Kenney)	118,900.00	118,900.00	118,900.00	-	-	-	-	0.0%	-
0502-2200 - Plumbing EBP#3 (Irvine & Sons)	62,575.73	62,575.73	62,575.73	-	-	-	-	0.0%	-
0502-2200 - Plumbing (E. Amanti)	5,740,981.08	4,302,085.00	4,465,826.00	163,741.00	72,418.20	8,187.05	80,605.25	0.0%	-
0502-2200 - Plumbing (Allowances)	293.59	-	-	-	-	-	-	-	-
0502-2300 - HVAC (CAM HVAC)	188,354.30	188,354.30	188,354.30	-	-	-	-	0.0%	-
0502-2300 - HVAC (PJ Kennedy)	30,340,219.25	24,622,916.73	25,129,086.43	506,169.70	919,604.08	25,308.49	944,912.57	2.6%	-
0502-2300 - HVAC (Allowances)	175,000.27	-	-	-	-	-	-	-	-
0502-2600 - Electrical (WJGE)	267,771.95	267,771.95	267,771.95	-	-	-	-	0.0%	-
0502-2600 - Electrical (WJGE)	19,890,004.12	16,002,526.59	16,715,195.05	712,668.46	245,450.94	35,633.42	281,084.36	0.3%	-
0502-2600 - Electrical EBP#3 (WJGE)	210,796.20	210,796.20	210,796.20	-	-	-	-	0.0%	-
0502-2600 - Electrical Temp (YES)	15,421.64	10,719.63	10,719.63	-	-	-	-	0.0%	-
0502-2600 - Electrical (Arch)	20,866.00	20,866.00	20,866.00	-	1,043.30	-	1,043.30	5.0%	-
0502-2600 - Electrical (Allowances)	256,327.12	-	-	-	-	-	-	-	-
0502-3100 - Earthwork (Riggs)	273,659.90	129,019.00	129,019.00	-	-	-	-	0.0%	-
0502-3100 - Earthwork Temp Fencing	142,935.10	-	-	-	-	-	-	-	-
0502-3100 - Earthwork Piles	2,025,349.47	1,448,759.00	1,448,759.00	-	36,218.97	-	36,218.97	2.5%	-
0502-3100 - Earthwork (Holds)	57,545.07	-	-	-	-	-	-	-	-
0502-3200 - Exterior Improvements (Derenzo)	8,206,194.55	8,206,194.55	8,206,194.55	-	4,642.57	-	4,642.57	0.0%	-
0502-3200 - Exterior Improvements (Holds)	495,540.92	-	-	-	-	-	-	-	-
0502-3200 - Exterior Improvements	11,892,091.27	4,241,678.85	4,342,743.01	101,064.16	212,083.93	5,053.21	217,137.14	5.0%	-
0502-3200 - Exterior Improvements (Allowances)	314,999.74	-	-	-	-	-	-	5.0%	-
0502-3200 - Exterior Improvements Synthetic Athletic Sur	1,234,700.00	-	-	-	-	-	-	-	-
0502-3200 - Exterior Improvements Fencing	1,786,988.00	-	-	-	-	-	-	-	-
0502-3200 - Exterior Improvements Landscaping	2,837,865.24	1,154,252.14	1,154,252.14	-	28,856.30	-	28,856.30	5.0%	-
0508-0000 - CO #1	219,338.20	96,419.20	147,039.28	50,620.08	4,820.96	2,531.00	7,351.96	5.0%	-
0508-0000 - CO #2	33,232.26	31,946.94	33,232.26	1,285.32	1,597.34	64.27	1,661.61	5.0%	-
0508-0000 - CO #3	68,565.19	68,565.19	68,565.19	-	3,428.15	-	3,428.15	5.0%	-
0508-0000 - CO #4	81,767.92	81,767.92	81,767.92	-	4,088.39	-	4,088.39	5.0%	-
0508-0000 - CO #5	43,331.14	40,568.24	40,568.24	-	2,028.41	-	2,028.41	5.0%	-
0508-0000 - CO #6	59,421.27	49,870.59	54,073.73	4,203.14	2,493.54	210.16	2,703.70	5.0%	-
0508-0000 - CO #7	81,699.59	66,375.49	66,375.49	-	3,318.78	-	3,318.78	5.0%	-
0508-0000 - CO #8	87,086.17	87,086.17	87,086.17	-	4,354.30	-	4,354.30	5.0%	-
0508-0000 - CO #9	67,036.27	67,036.27	67,036.27	-	3,351.83	-	3,351.83	5.0%	-
0508-0000 - CO #10	78,845.73	78,845.73	78,845.73	-	3,942.31	-	3,942.31	5.0%	-
0508-0000 - CO #11	108,518.53	108,518.53	108,518.53	-	5,425.94	-	5,425.94	5.0%	-
0508-0000 - CO #12	93,617.67	93,617.67	93,617.67	-	4,680.89	-	4,680.89	5.0%	-
0508-0000 - CO #13	108,947.57	93,914.92	100,111.83	6,196.91	4,695.75	309.79	5,005.54	5.0%	-
0508-0000 - CO #14	53,121.20	33,698.01	39,680.38	5,982.37	1,684.91	299.12	1,984.03	5.0%	-
0508-0000 - CO #15	41,369.87	23,103.91	23,103.91	-	1,155.20	-	1,155.20	5.0%	-
0508-0000 - CO #16	85,756.30	62,767.84	83,245.47	20,477.63	3,138.40	1,023.89	4,162.29	5.0%	-
0508-0000 - CO #17	92,646.43	87,718.79	87,718.79	-	4,385.94	-	4,385.94	5.0%	-
0508-0000 - CO #18	53,784.05	53,784.05	53,784.05	-	2,689.21	-	2,689.21	5.0%	-
0508-0000 - CO #20	93,233.59	88,963.94	88,963.94	-	4,448.19	-	4,448.19	5.0%	-
0508-0000 - CO #21	89,784.65	62,325.07	84,119.02	21,793.95	3,116.09	1,089.70	4,205.79	5.0%	-
0508-0000 - CO #22	98,326.94	11,456.52	11,456.52	-	572.83	-	572.83	5.0%	-
0508-0000 - CO #23	80,370.78	32,909.18	46,157.78	13,248.60	1,645.46	662.45	2,307.91	5.0%	-
0508-0000 - CO #24	68,809.73	8,342.69	8,342.69	-	417.13	-	417.13	5.0%	-
0508-0000 - CO #25	79,300.43	18,507.62	45,362.21	26,854.59	925.42	1,342.73	2,268.15	5.0%	-
0508-0000 - CO #26	90,610.28	22,270.74	23,891.88	1,621.14	1,113.53	81.06	1,194.59	5.0%	-
0508-0000 - CO #27	61,720.33	23,717.55	50,831.78	27,114.23	1,185.88	1,355.71	2,541.59	5.0%	-
0508-0000 - CO #28	39,003.41	9,407.98	9,407.98	-	470.40	-	470.40	5.0%	-
0508-0000 - CO #29	50,354.86	-	2,500.00	2,500.00	-	125.00	125.00	5.0%	-
Totals:	236,496,947.36	170,712,349.35	176,593,854.36	5,881,505.01	4,536,017.24	294,075.26	4,818,122.21		11,970.29

Current Pay:	
Current Billing	\$5,881,505.01
- Current Retainage Held	(\$294,075.26)
+ Retainage Released	\$11,970.29
Total	\$5,599,400.04

Finance Subcommittee Meeting
Tuesday, August 15th, 2023
3:30 PM – 4:00 PM
Conducted by Remote Participation
Meeting Minutes

Attendees: Alex McGee, Kate Loosian, Rob Behrent, Jim Feeney, John Cole, Mike Mason, Jessica Mendez, Sy Nguyen – Skanska USA Building, Inc.

Call to order: 3:32 PM

Alex McGee, Town Manager, opened the meeting conducted by remote participation as outlined in Governor Baker's order suspending certain provisions of the open meeting law on March 12, 2020, and explained how votes would be taken.

Budget Update

- Skanska reported Owner Contingency draw for Insurance.
- Skanska has reported cash flow continues to increase due to the volume of work going in place but there are not major budget updates to report.

Change Summary

- Skanska gave an overview of the change logs.

Change Order Review

- Skanska reviewed Change Order #30 for \$104,711.42 and recommended approval. The following CR's were included:

CR 619	ASI-292.1 Provide Access Panel under Forum for Owner's Time Capsule access.	\$	797.21
CR 629R1	ASI-353 Extended length of loading dock drive retaining wall to address CVS existing retaining concern for being compromised by it's shallow footing.	\$	98,748.76
CR 638	ASI-363 Play Area Communication Bd revised product design.	\$	2,997.26
CR 649	PR-024 Provide markerboards for Compass Group Rm 500A.	\$	2,168.19

Alex McGee asked for motion to approve Change Order #30

Kate made the motion. Mike seconded. Alex McGee called a roll call to vote:

- **Rob – yes**
- **John -yes**
- **Jim – yes**
- **Kate – yes**
- **Mike – yes**
- **Alex -yes**

Alex McGee asked for motion to approve budget transfer of \$90,000 from FEE to Testing Services for future Briggs testing contingent lift has been purchased.

Kate made motion. Seconded by Rob. Alex McGee called a roll call to vote:

- **Rob – yes**
- **John – yes**
- **Jim – yes**

- Kate- yes
- Mike – yes
- Alex – yes

Consigli Req #40 Review

- Skanska presented Consigli Req #40 for \$5,638,286.36 and recommended approval.
- Skanska reported no retainage release to report.

Alex McGee asked for motion to approve Consigli Change Order #40 for \$5,638,286.36.

Mike made the motion. John Cole seconded. Alex McGee called a roll call to vote:

- Rob – yes
- John – yes
- Jim – yes
- Kate – yes
- Mike – yes
- Alex -yes

Meeting Minutes Review

- Skanska presented the 7/18/23 Meeting Minutes. There were no comments from the subcommittee.

Alex McGee asked for motion to approve 7/18/23 Meeting Minutes.

Mike made the motion. Kate seconded. Alex McGee called a roll call to vote:

- Rob – yes
- John – yes
- Jim – abstained
- Kate – yes
- Mike – yes
- Alex -yes

Motion is approved 5-0. Abstained is 1

New Business:

FSC to discuss a 7th member to meet quorum.

Errors and Emissions log available and Sy to issue to Rob B.

Alex McGee asked for a motion to adjourn. Kate Loosian made the motion. John seconded. Alex McGee called a roll call vote:

- Rob - yes**
- John - yes**
- Jim – yes**
- Kate – yes**
- Mike – yes**
- Alex – yes.**

Motion unanimously approved.

Meeting adjourned at 3:29 PM.